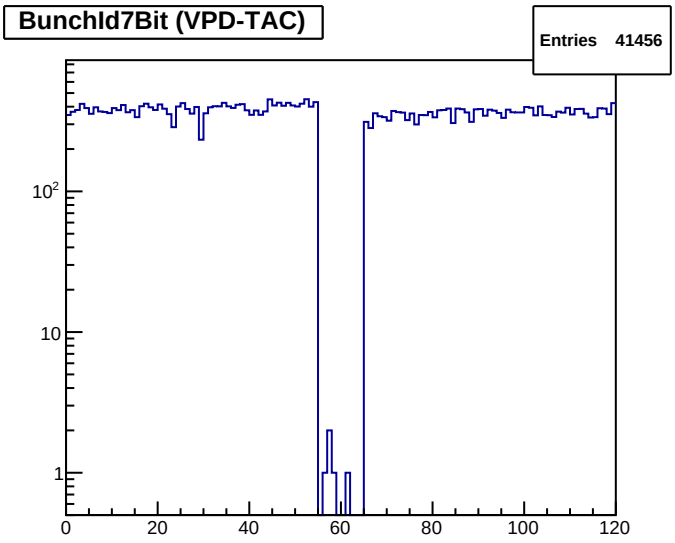
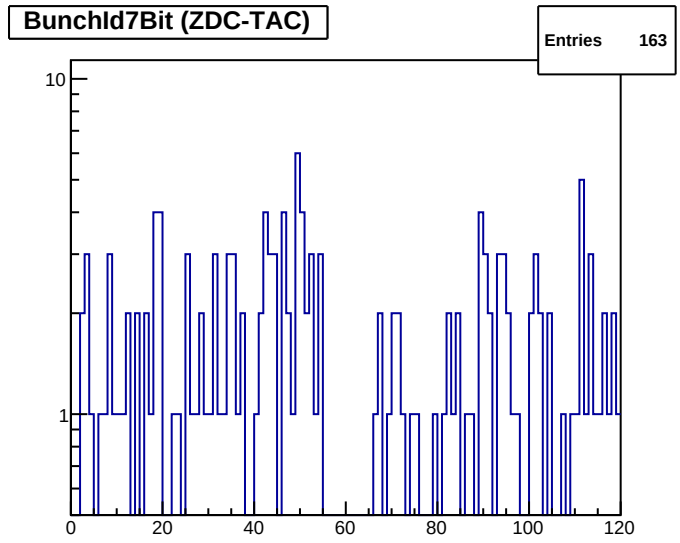
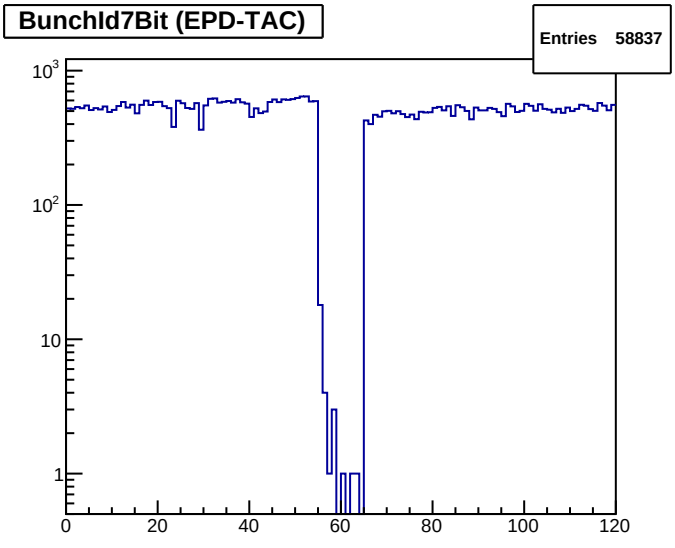
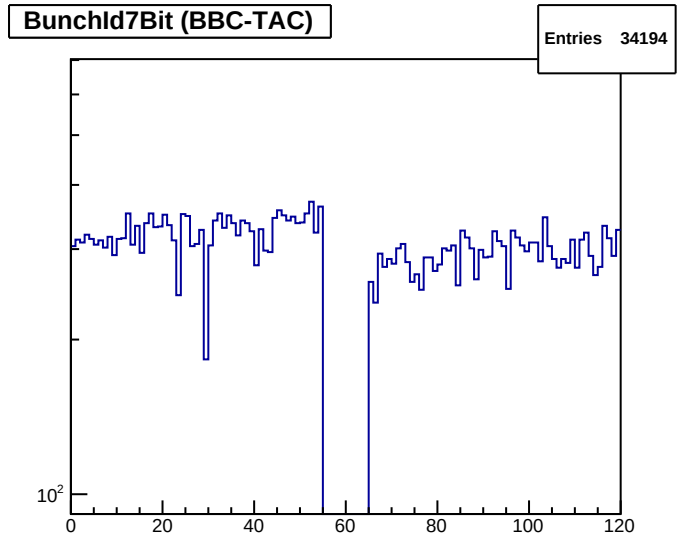
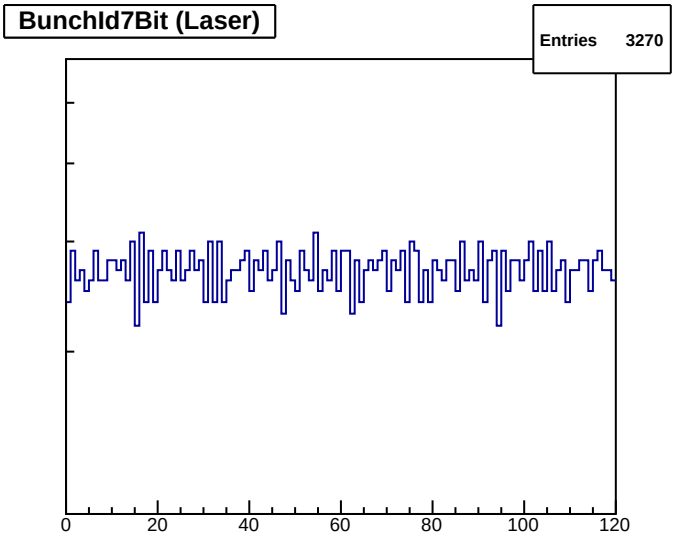
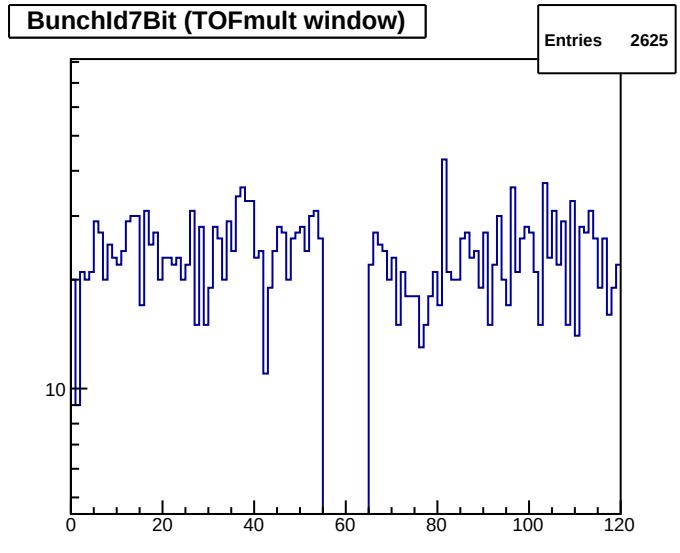

BunchId7Bit (VPD-TAC)
Entries 41456
10^2
10
1
0
20
40
60
80
100
120

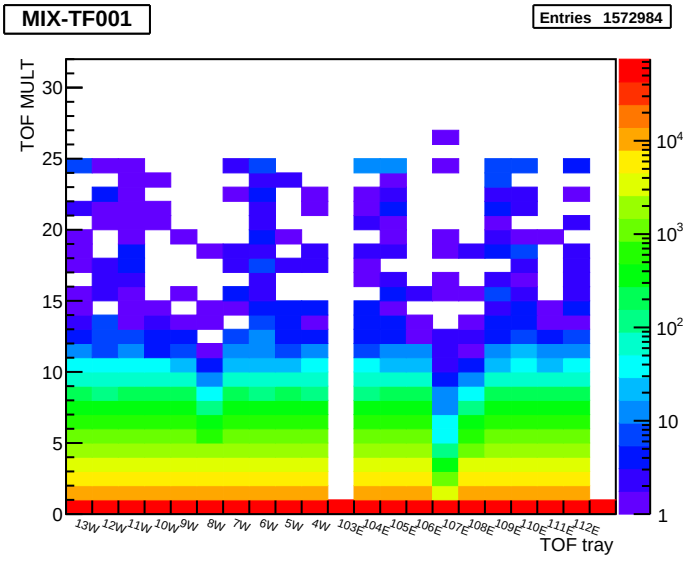

BunchId7Bit (ZDC-TAC)
Entries 163
10
1
0
20
40
60
80
100
120

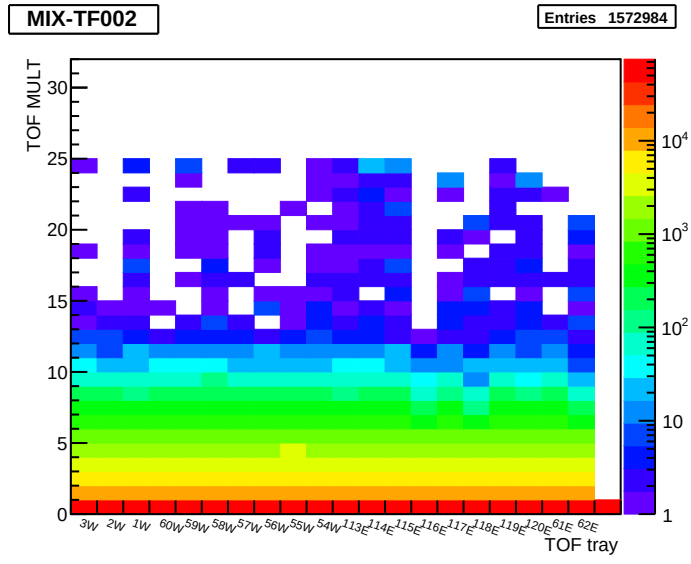

BunchId7Bit (EPD-TAC)
Entries 58837
10^3
10^2
10
1
0
20
40
60
80
100
120

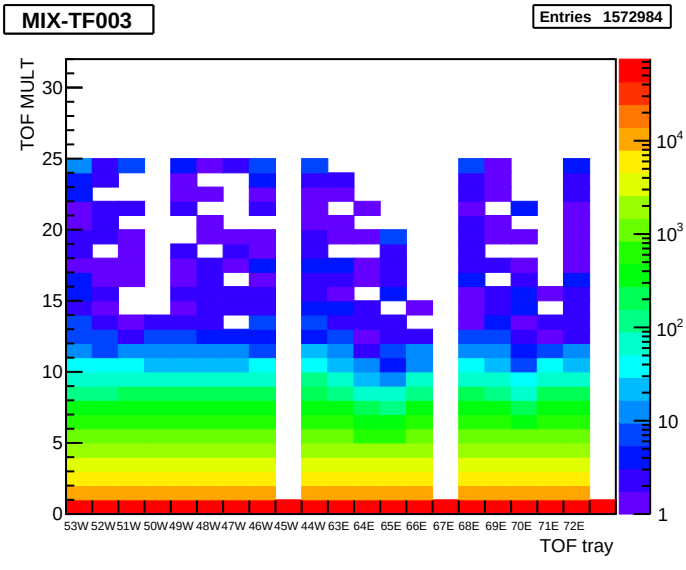

BunchId7Bit (BBC-TAC)
Entries 34194
10^2
0
20
40
60
80
100
120

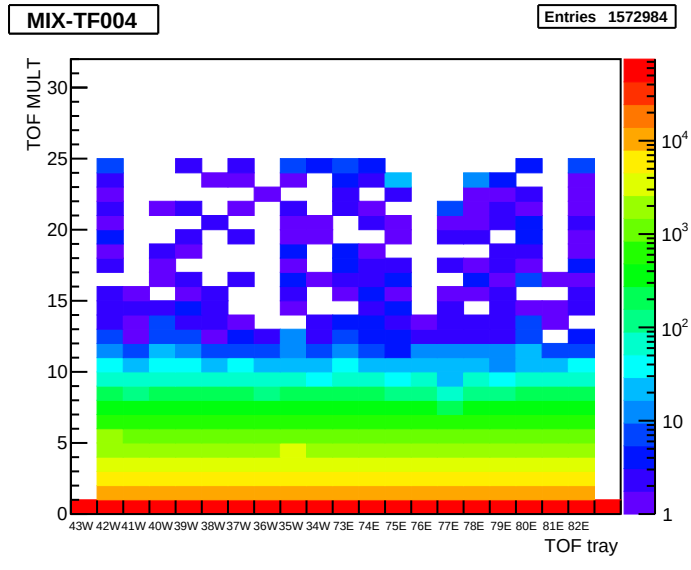

BunchId7Bit (Laser)
Entries 3270
0
20
40
60
80
100
120

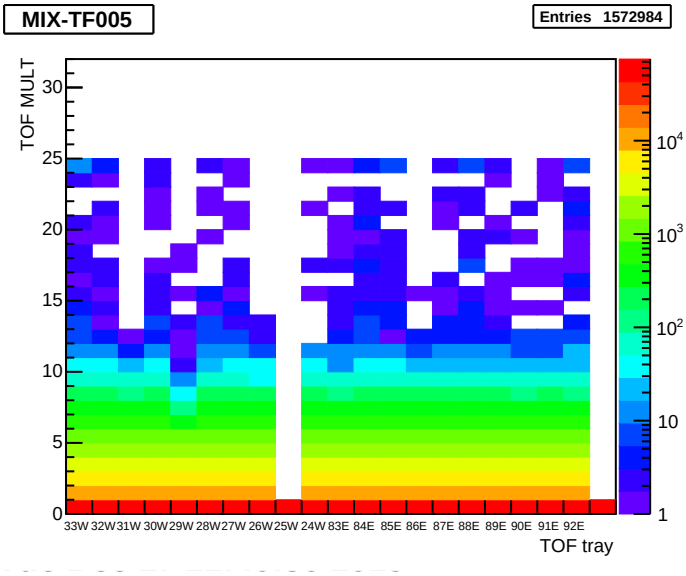

BunchId7Bit (TOFmult window)
Entries 2625
10
0
20
40
60
80
100
120

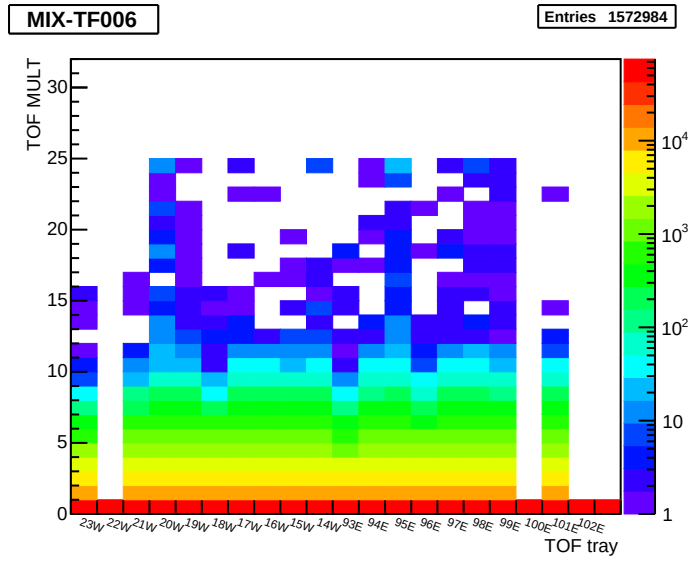

MIX-TF001
Entries 1572984
TOF MULT
TOF tray

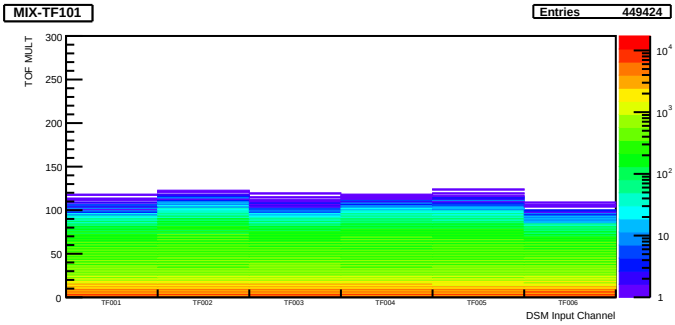

MIX-TF002
Entries 1572984
TOF MULT
TOF tray

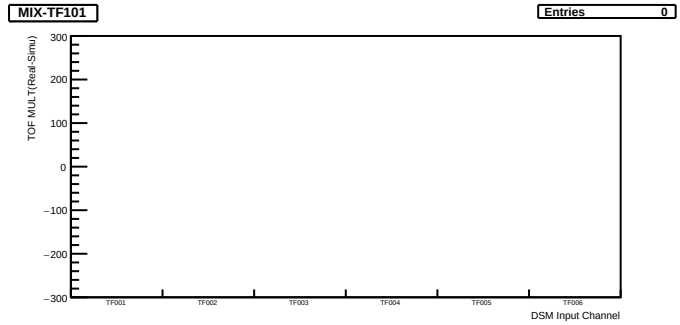

MIX-TF003
Entries 1572984
TOF MULT
TOF tray

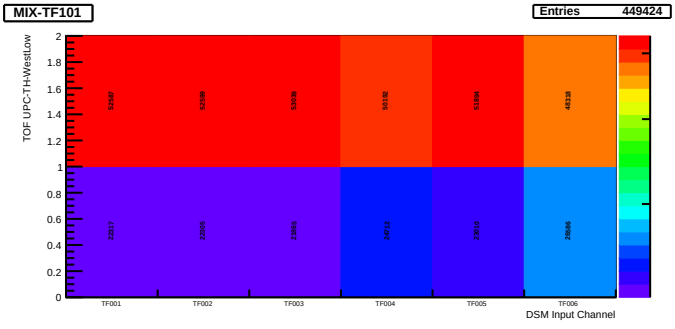

MIX-TF004
Entries 1572984
TOF MULT
TOF tray

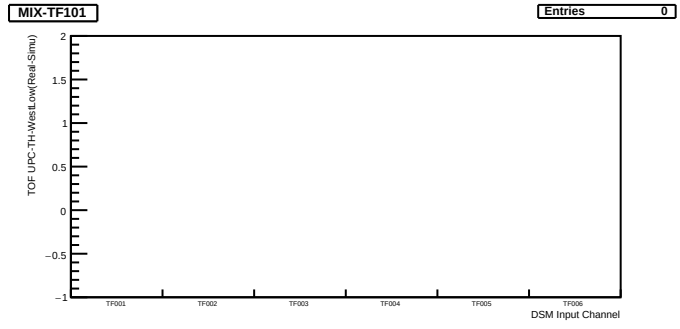

MIX-TF005
Entries 1572984
TOF MULT
TOF tray

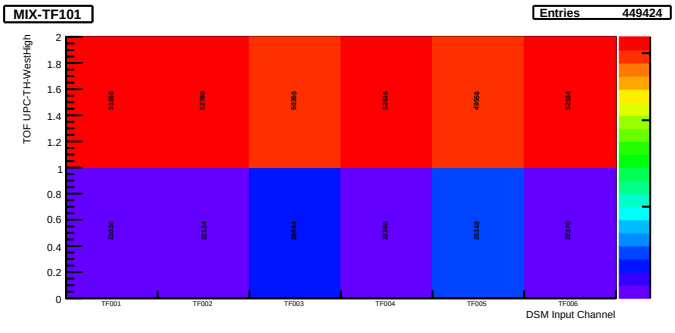

MIX-TF006
Entries 1572984
TOF MULT
TOF tray

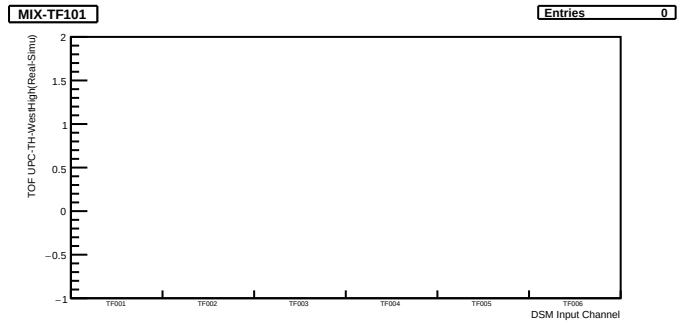

MIX-TF101
Entries 449424
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

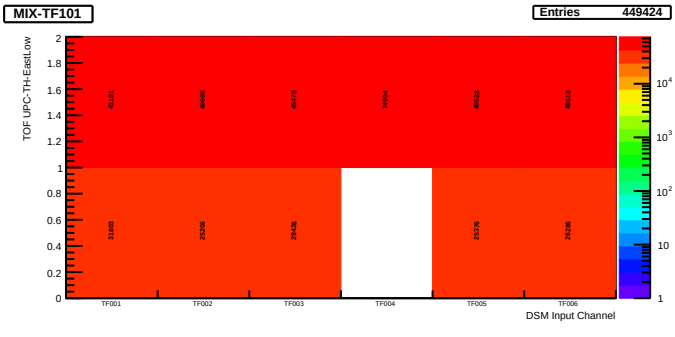

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

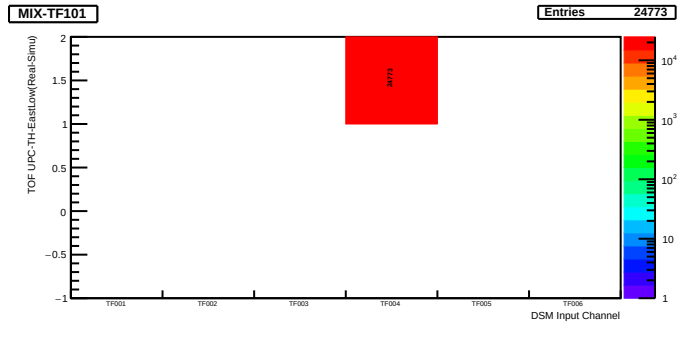

MIX-TF101
Entries 449424
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

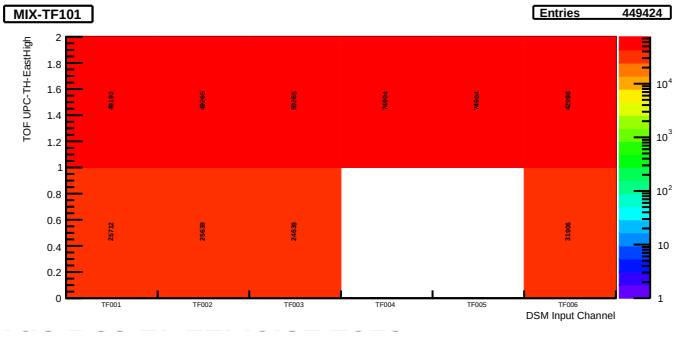

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

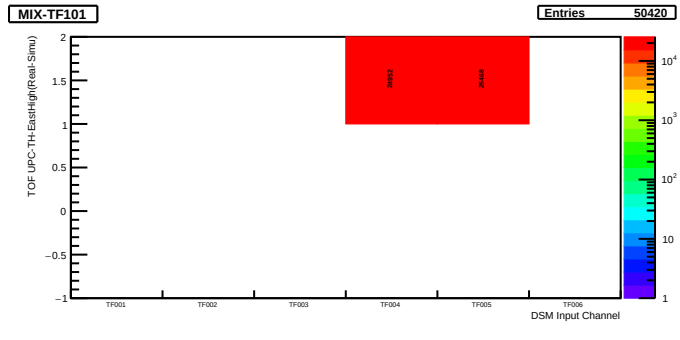

MIX-TF101
Entries 449424
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

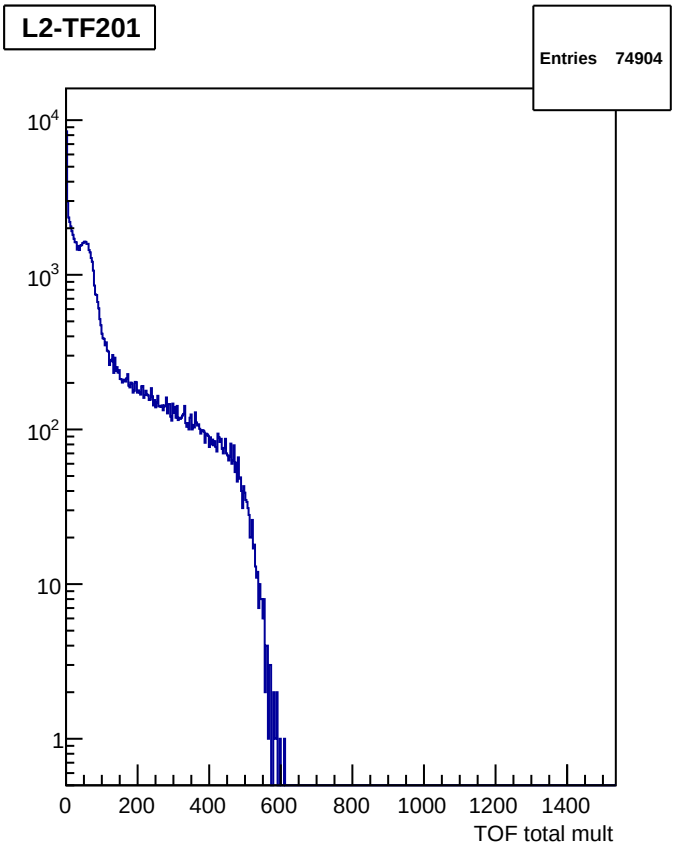

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

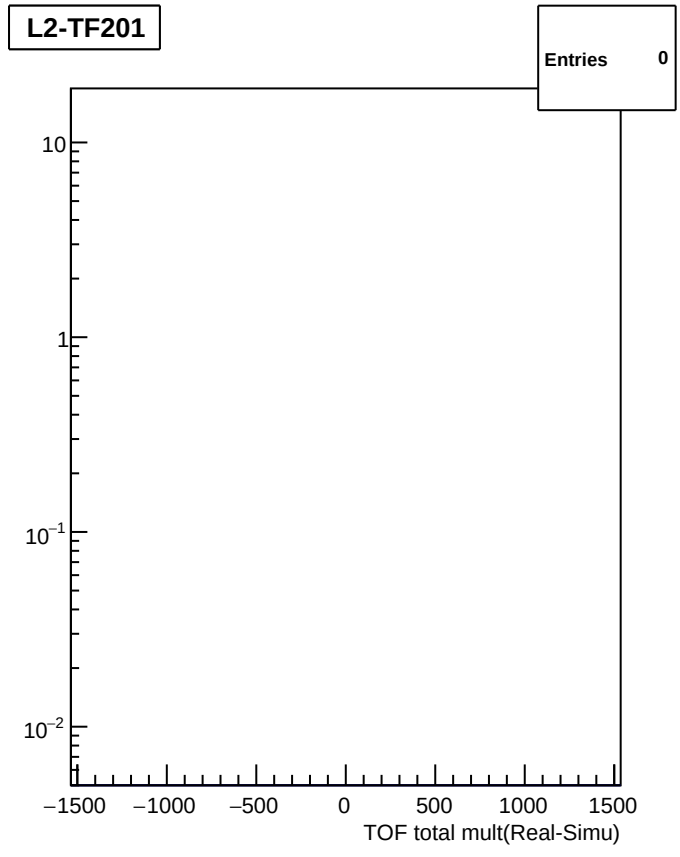

MIX-TF101
Entries 449424
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

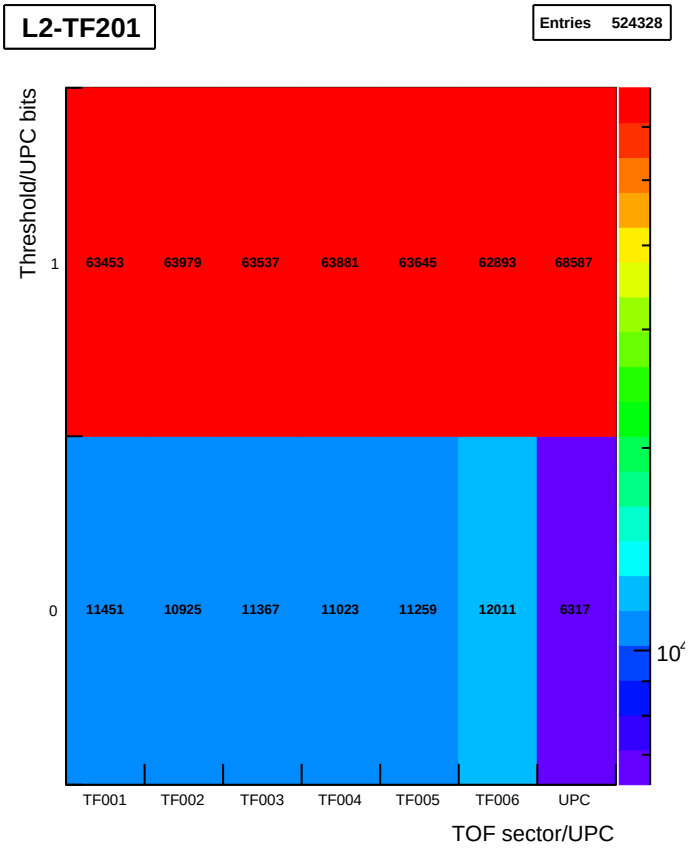

MIX-TF101
Entries 24773
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

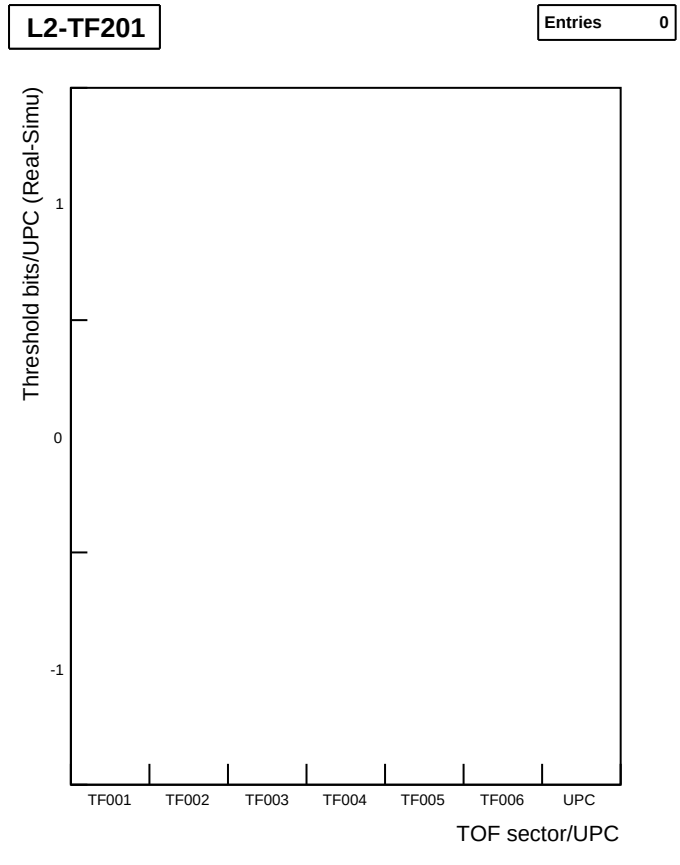

MIX-TF101
Entries 449424
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

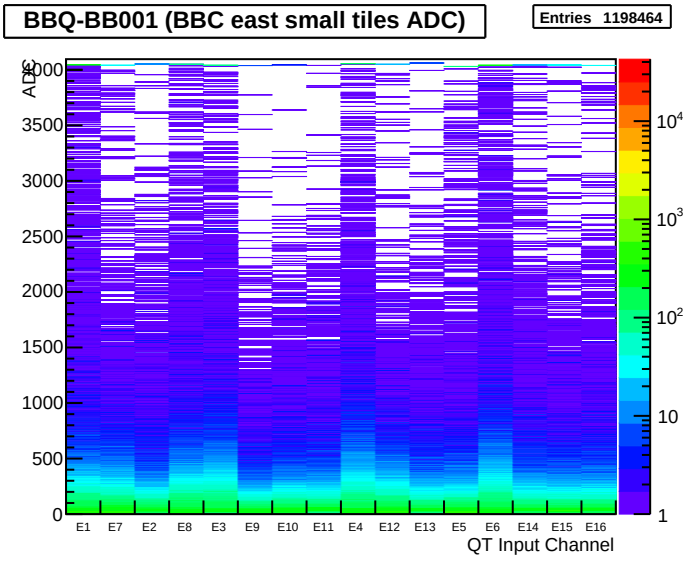

MIX-TF101
Entries 50420
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

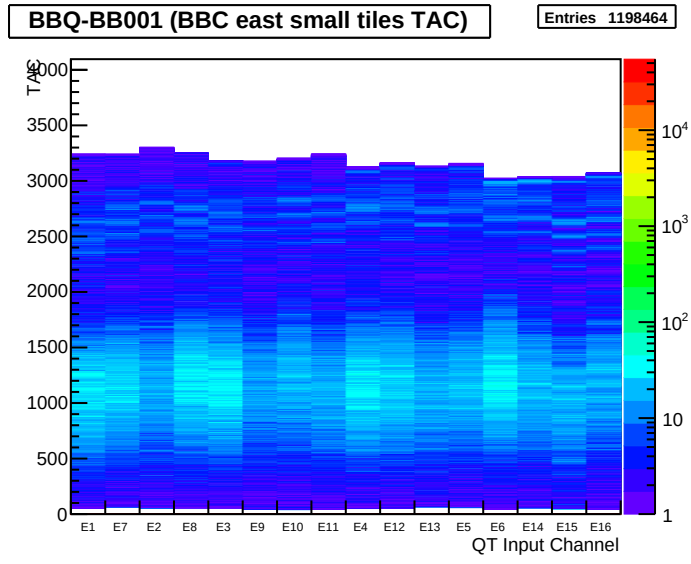

L2-TF201
Entries 74904
TOF total mult

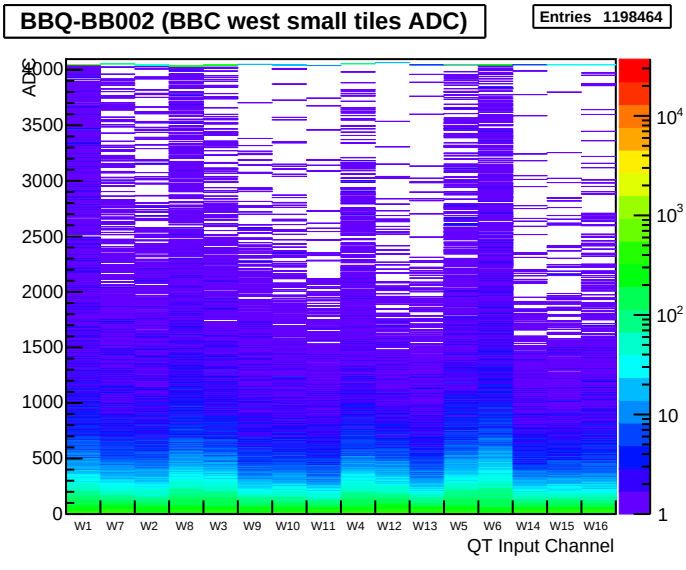

L2-TF201
Entries 0
TOF total mult(Real-Simu)

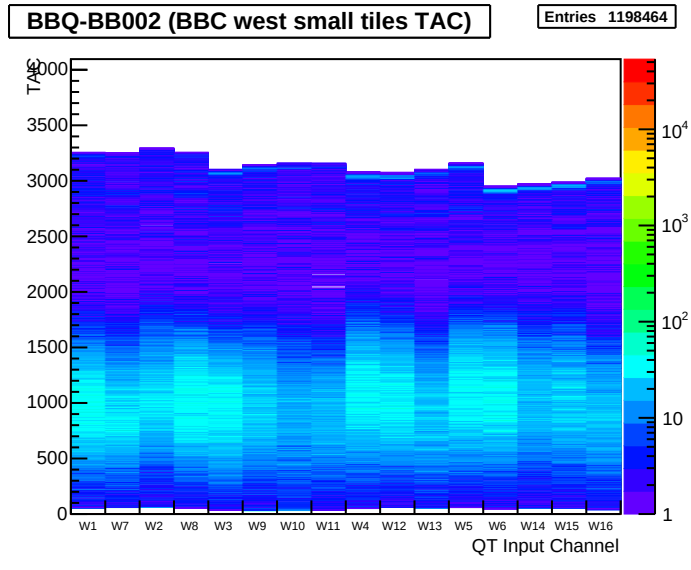

L2-TF201
Entries 524328
Threshold/UPC bits
63453 63979 63537 63881 63645 62893 68587
11451 10925 11367 11023 11259 12011 6317
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

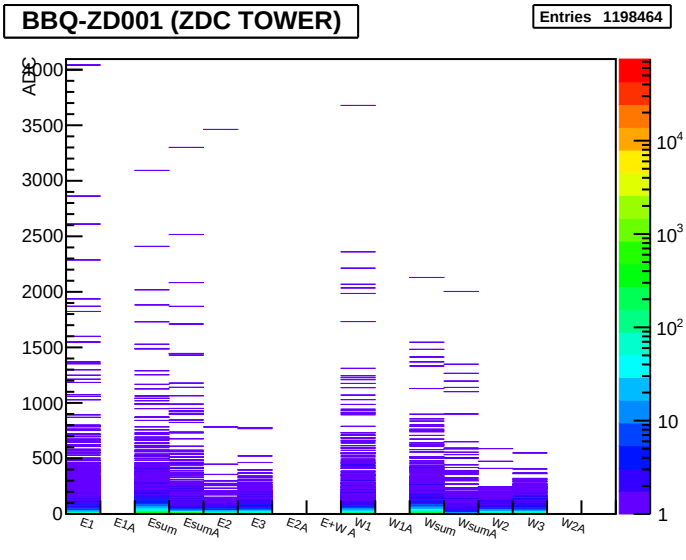

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

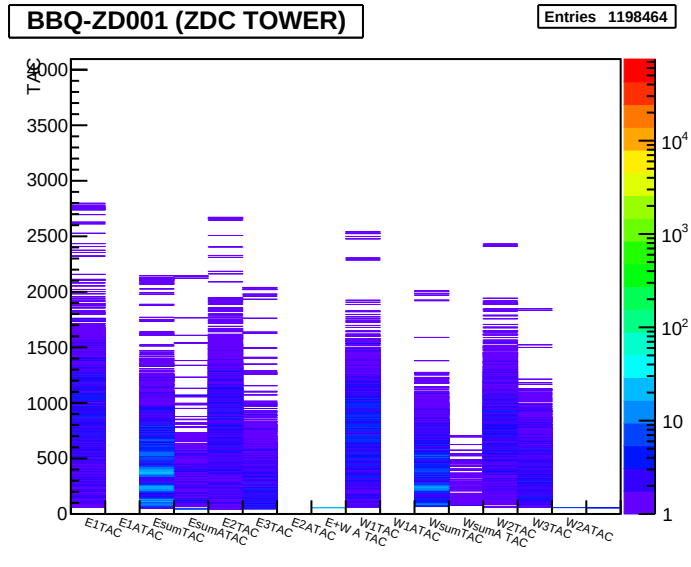

BBQ-BB001 (BBC east small tiles ADC)
Entries 1198464
ADC
QT Input Channel

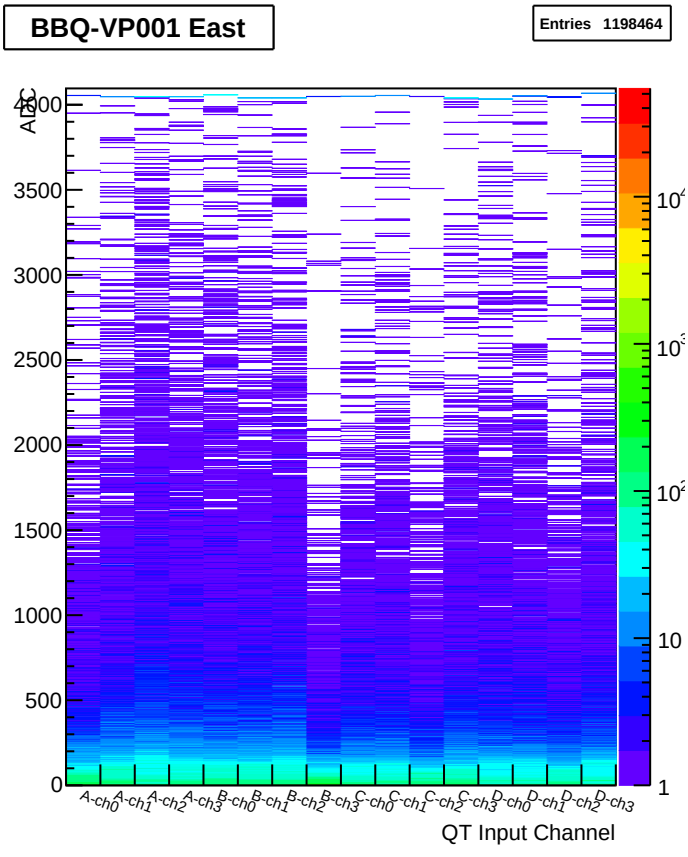

BBQ-BB001 (BBC east small tiles TAC)
Entries 1198464
TAC
QT Input Channel

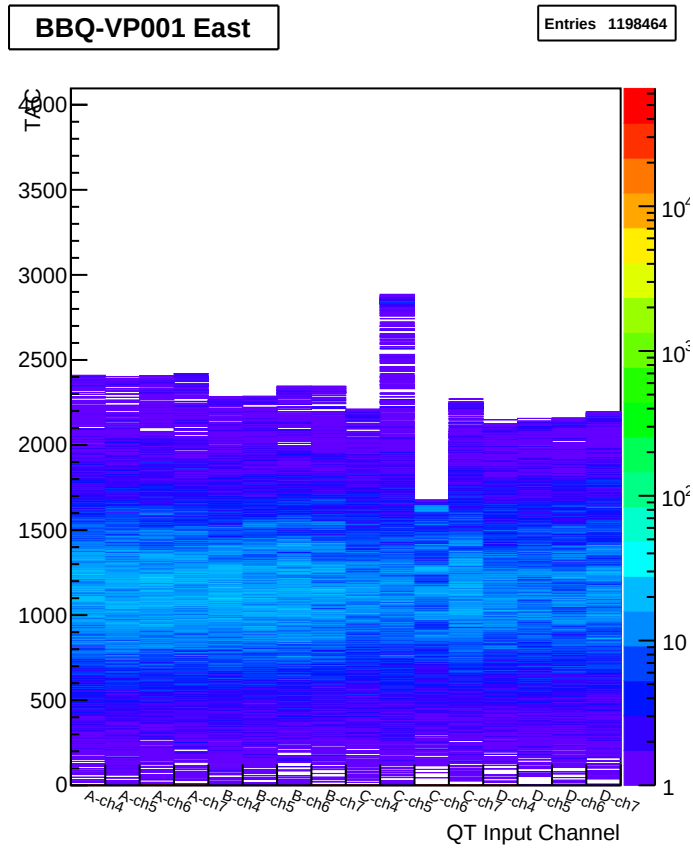

BBQ-BB002 (BBC west small tiles ADC)
Entries 1198464
ADC
QT Input Channel

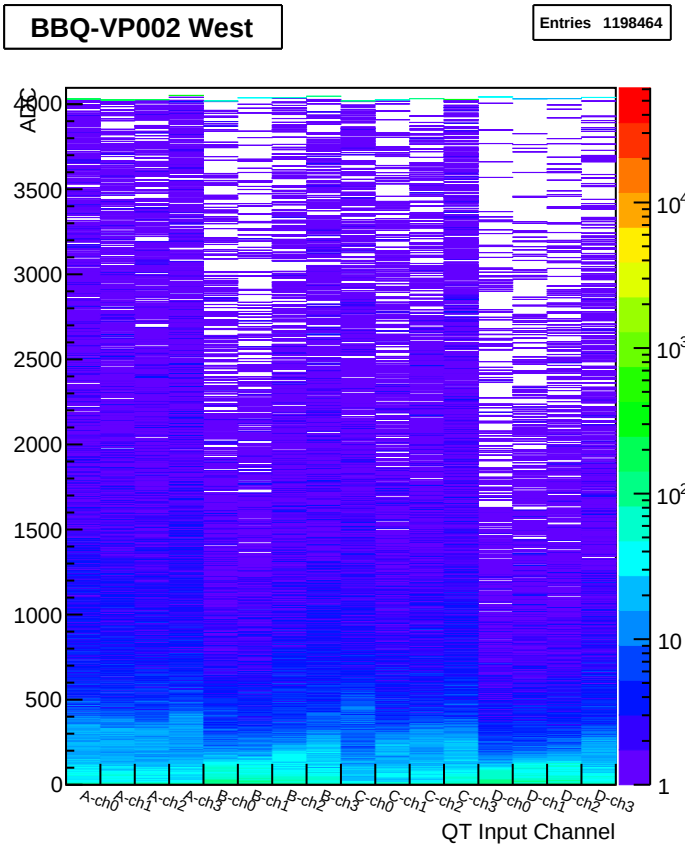

BBQ-BB002 (BBC west small tiles TAC)
Entries 1198464
TAC
QT Input Channel

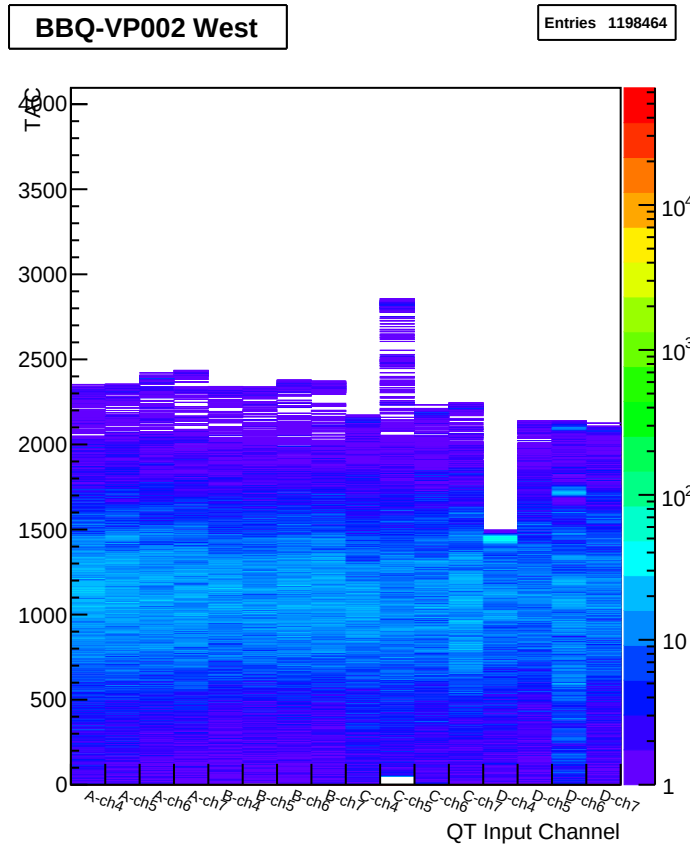

BBQ-ZD001 (ZDC TOWER)
Entries 1198464
ADC

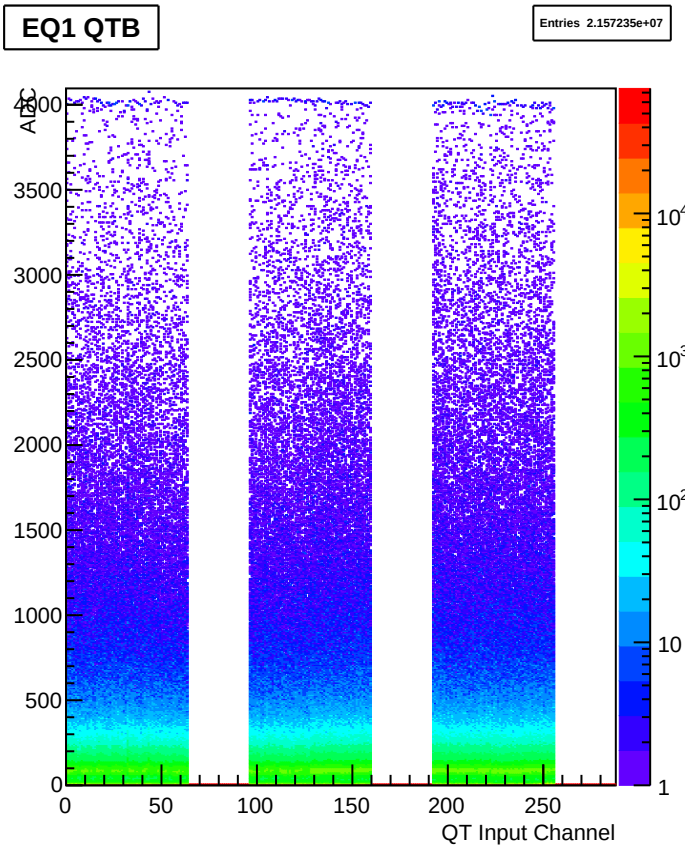

BBQ-ZD001 (ZDC TOWER)
Entries 1198464
TAC

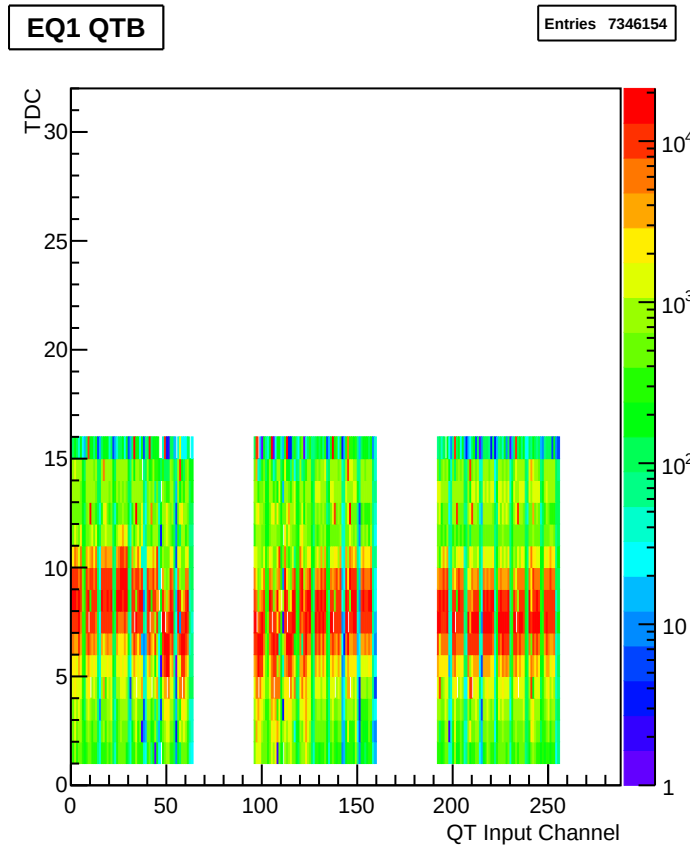

BBQ-VP001 East
Entries 1198464
ADC
QT Input Channel

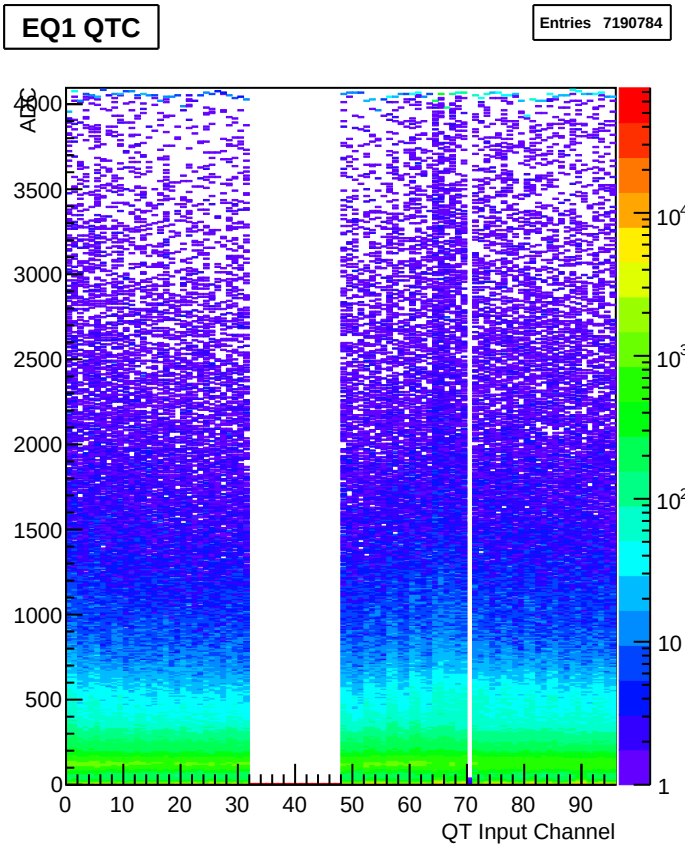

BBQ-VP001 East
Entries 1198464
TADC
QT Input Channel

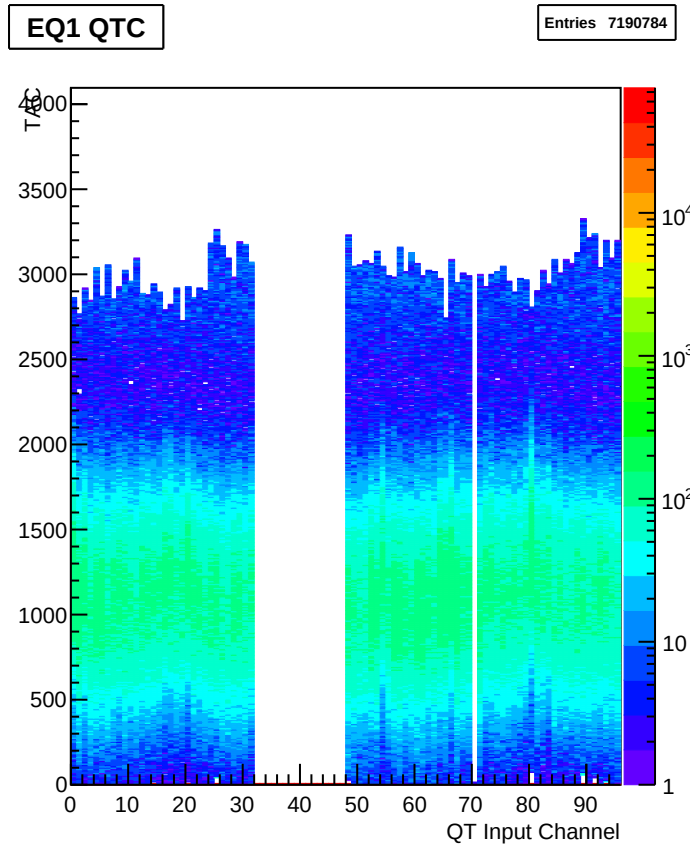

BBQ-VP002 West
Entries 1198464
ADC
QT Input Channel

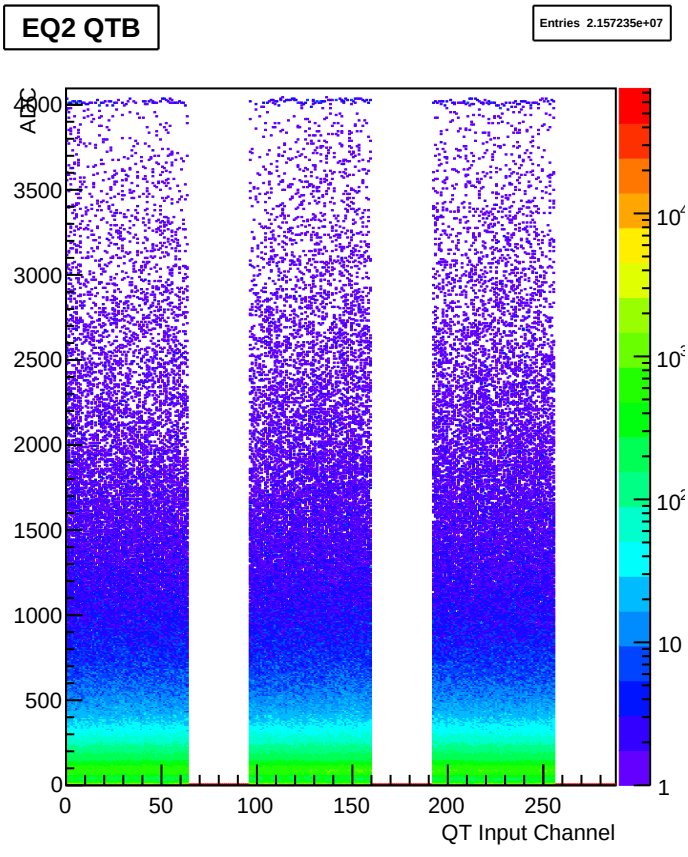

BBQ-VP002 West
Entries 1198464
TADC
QT Input Channel

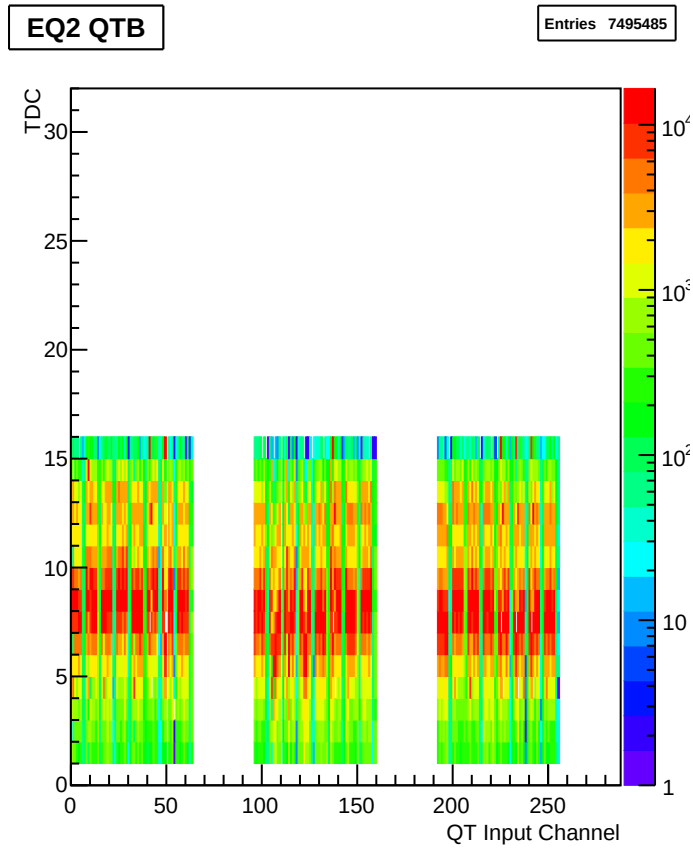

EQ1 QTB
Entries 2.157235e+07
ADC
QT Input Channel

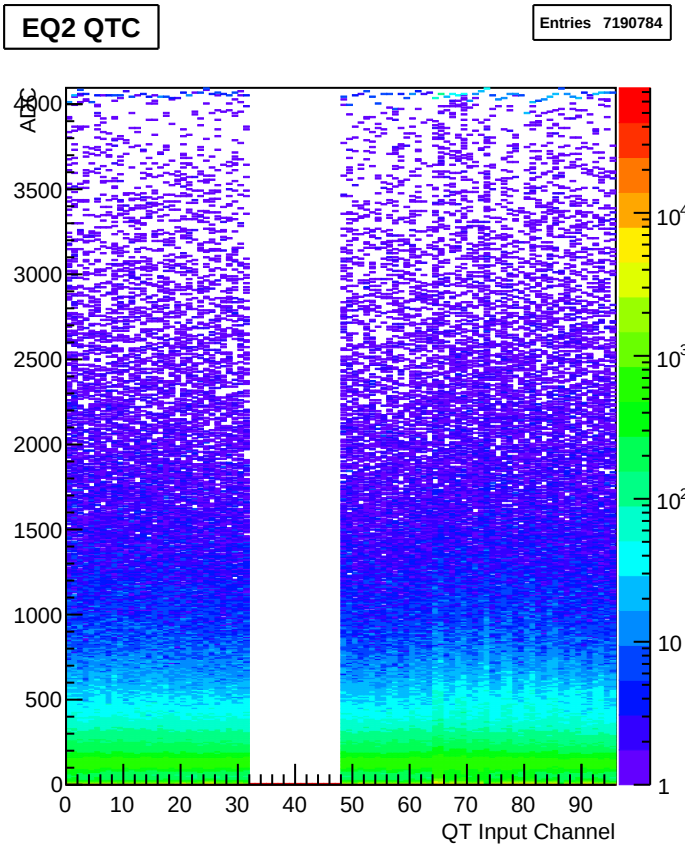

EQ1 QTB
Entries 7346154
TDC
QT Input Channel

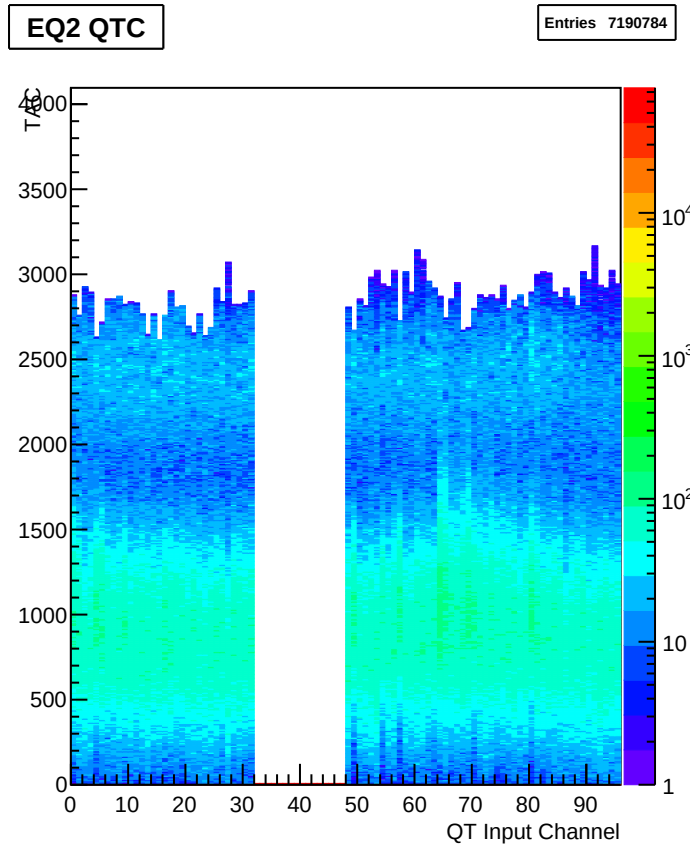

EQ1 QTC
Entries 7190784
ADC
QT Input Channel

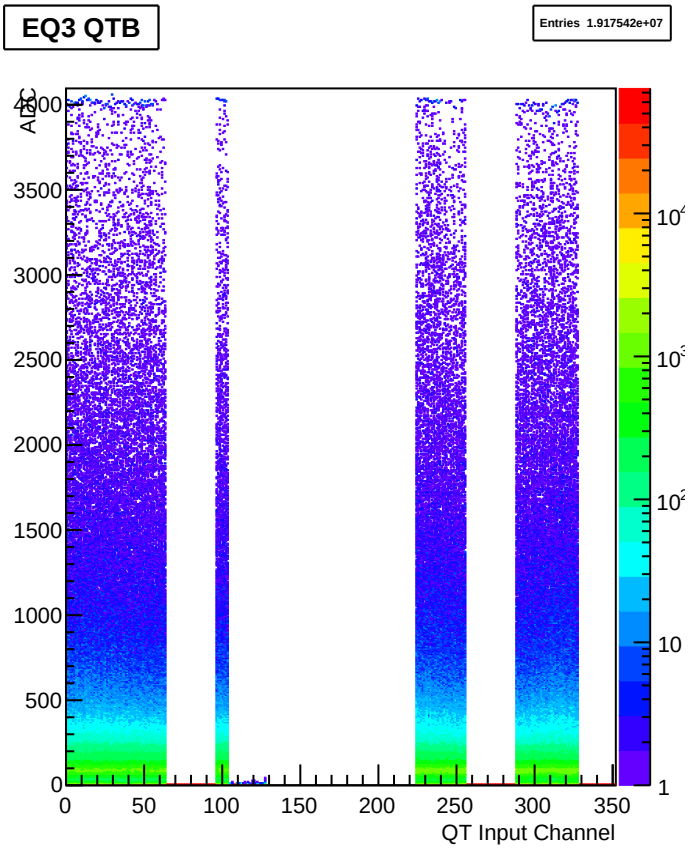

EQ1 QTC
Entries 7190784
TADC
QT Input Channel

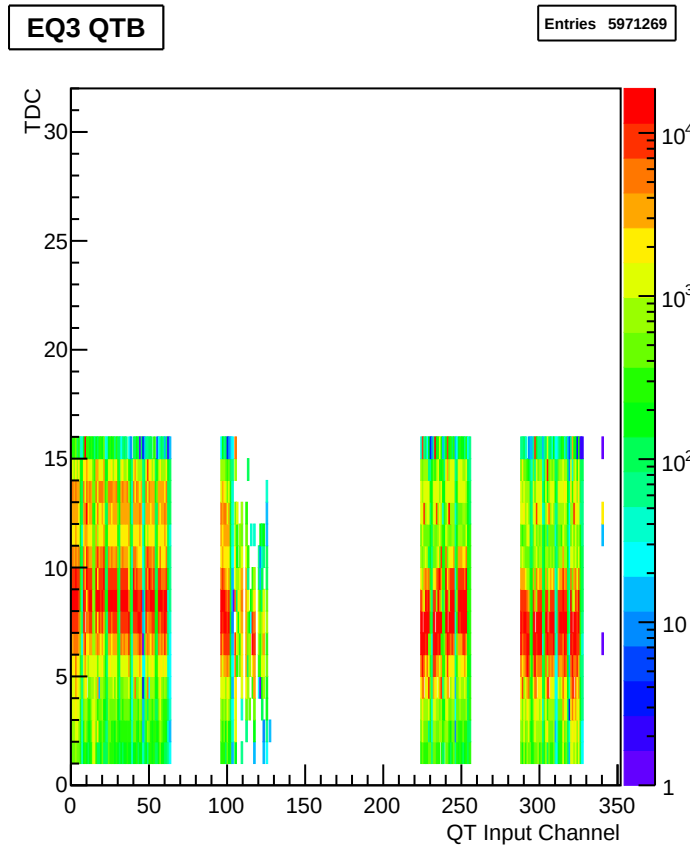

EQ2 QTB
Entries 2.157235e+07
ADC
QT Input Channel

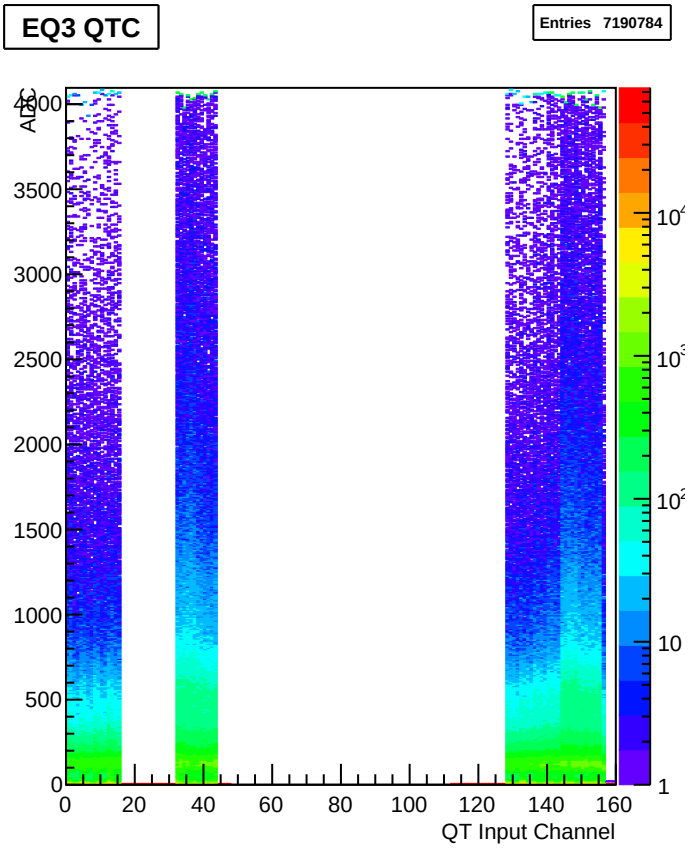

EQ2 QTB
Entries 7495485
TDC
QT Input Channel

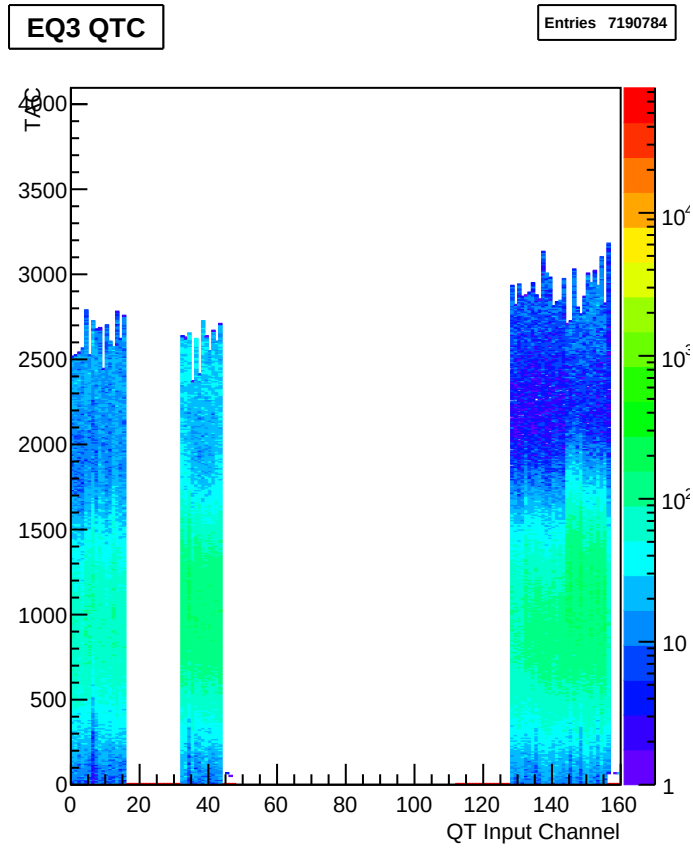

EQ2 QTC
Entries 7190784
ADC
QT Input Channel

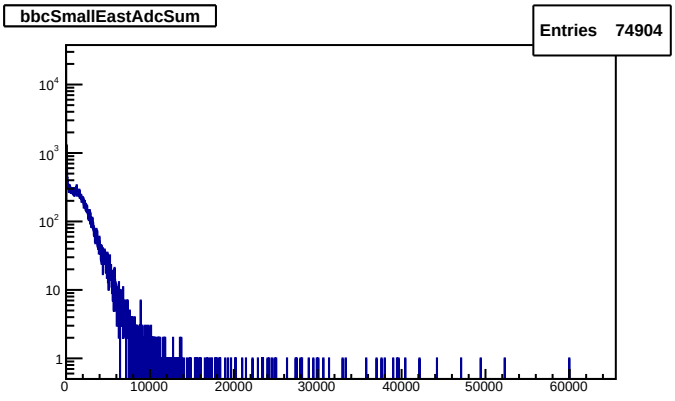

EQ2 QTC
Entries 7190784
TADC
QT Input Channel

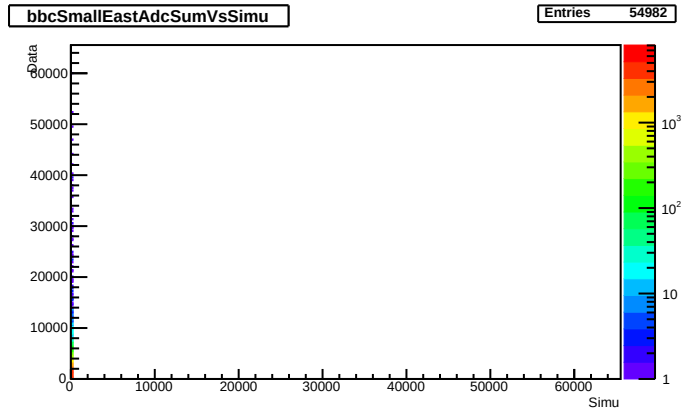

EQ3 QTB
Entries 1.917542e+07
ADC
QT Input Channel

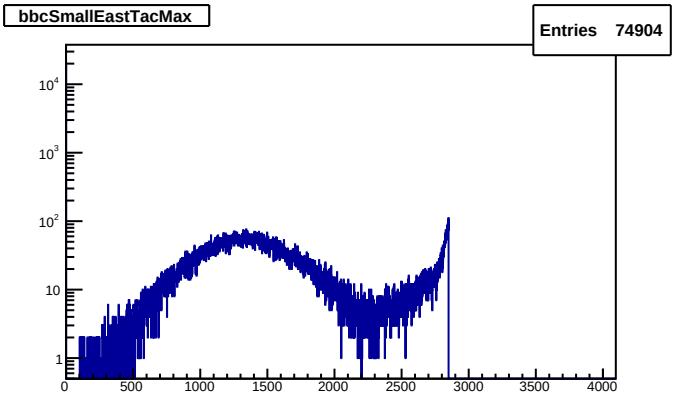

EQ3 QTB
Entries 5971269
TDC
QT Input Channel

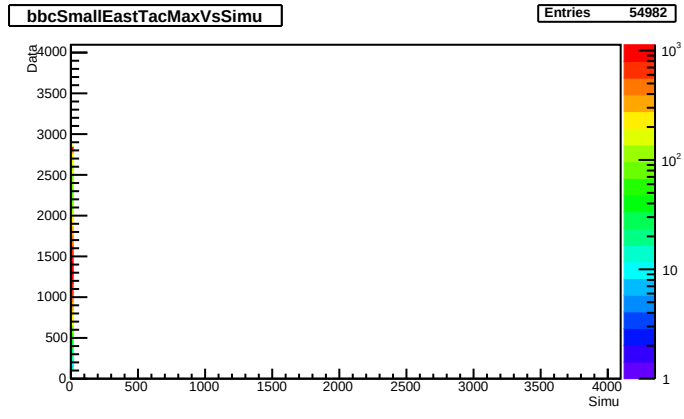

EQ3 QTC
Entries 7190784
ADC
QT Input Channel

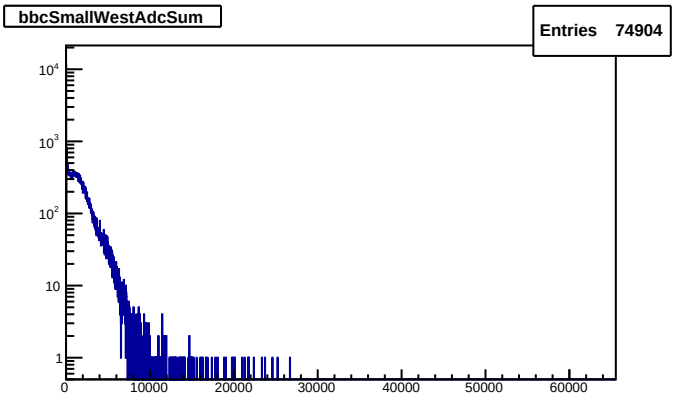

EQ3 QTC
Entries 7190784
TADC
QT Input Channel

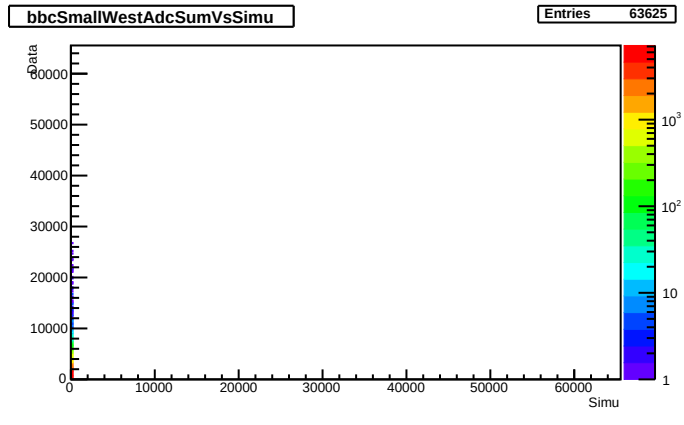

bbcSmallEastAdcSum
Entries 74904

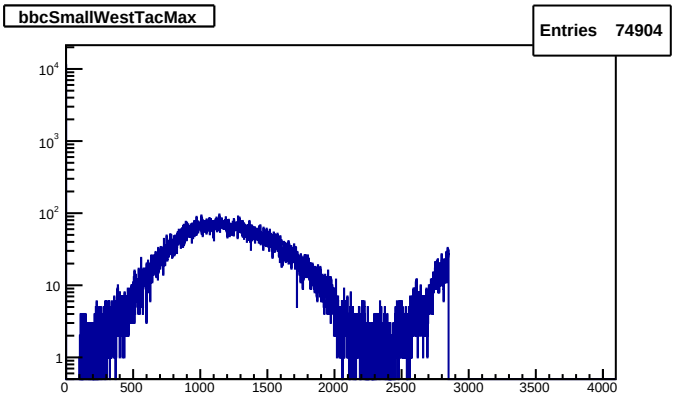

bbcSmallEastAdcSumVsSimu
Entries 54982
Data
Simu

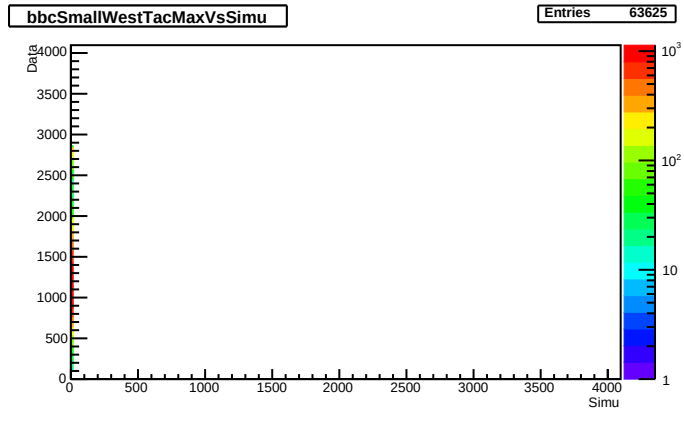

bbcSmallEastTacMax
Entries 74904

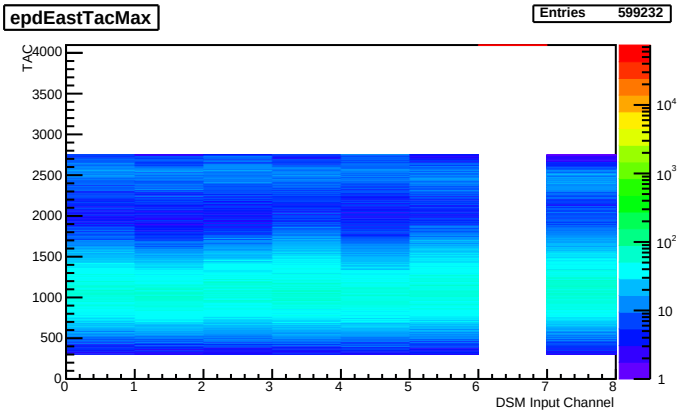

bbcSmallEastTacMaxVsSimu
Entries 54982
Data
Simu

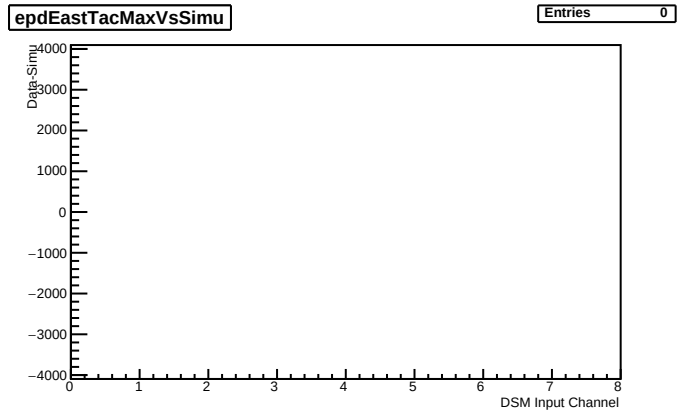

bbcSmallWestAdcSum
Entries 74904

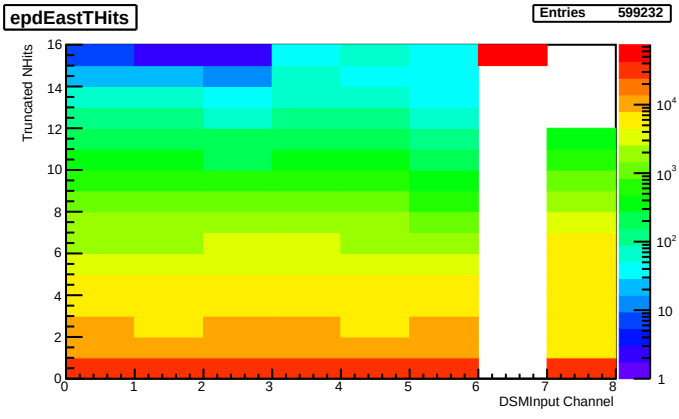

bbcSmallWestAdcSumVsSimu
Entries 63625
Data
Simu

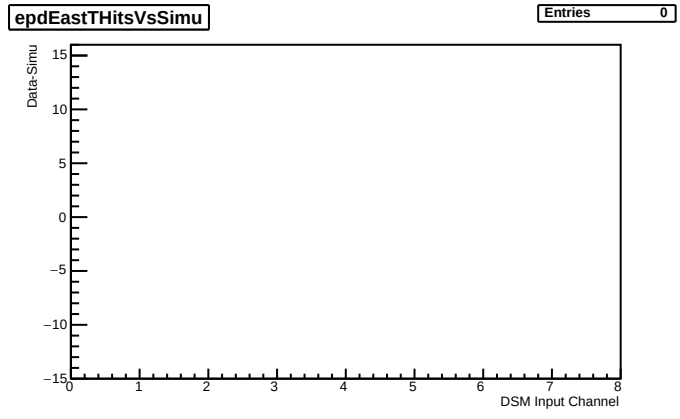

bbcSmallWestTacMax
Entries 74904

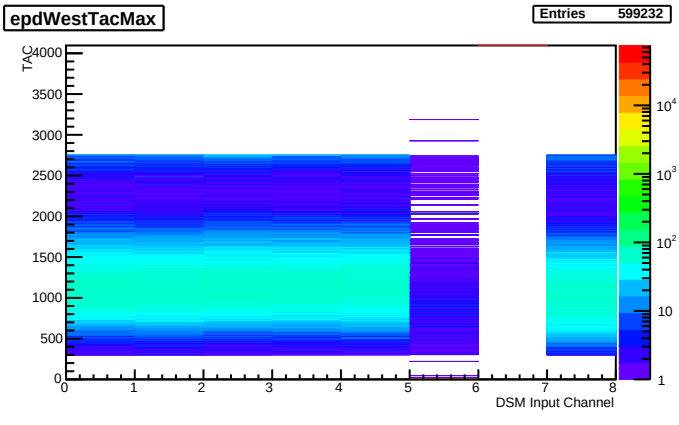

bbcSmallWestTacMaxVsSimu
Entries 63625
Data
Simu

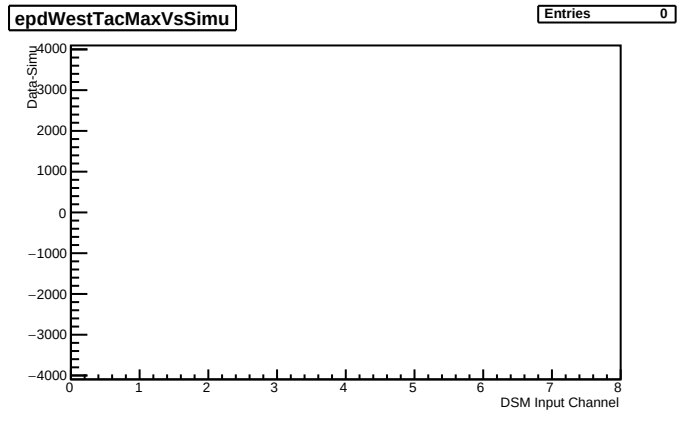

epdEastTacMax
Entries 599232
TAC
DSM Input Channel

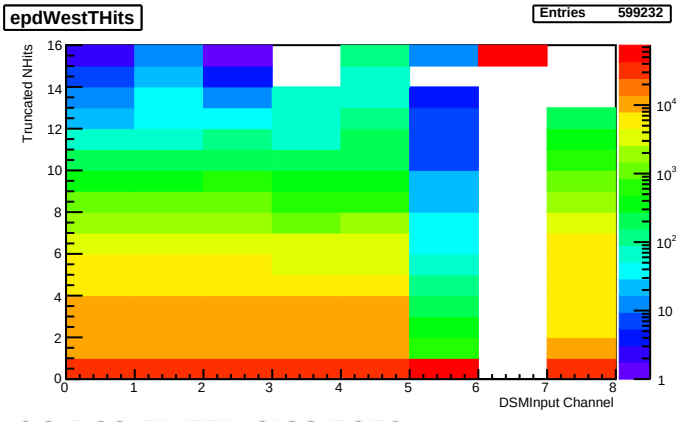

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

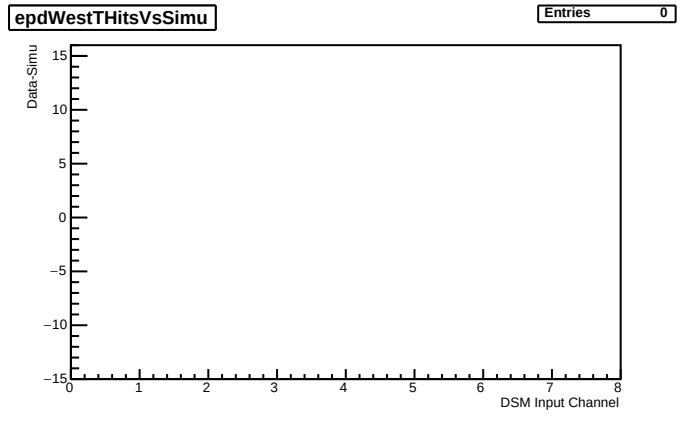

epdEastTHits
Entries 599232
Truncated NHits
DSMInput Channel

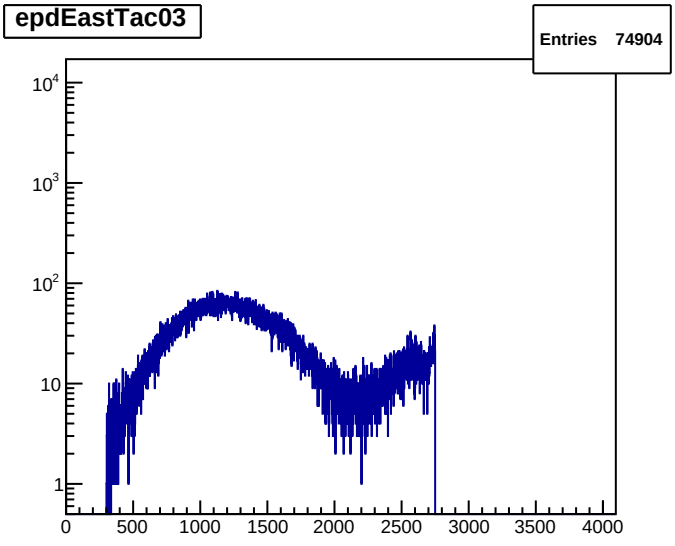

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

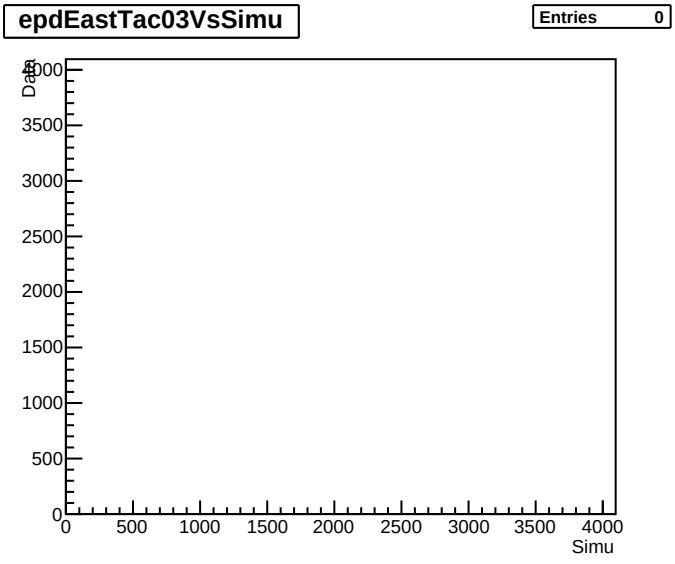

epdWestTacMax
Entries 599232
TAC
DSM Input Channel

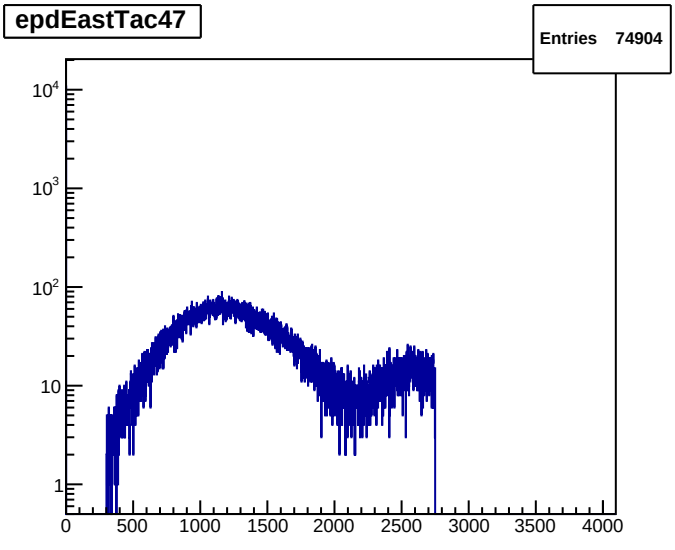

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

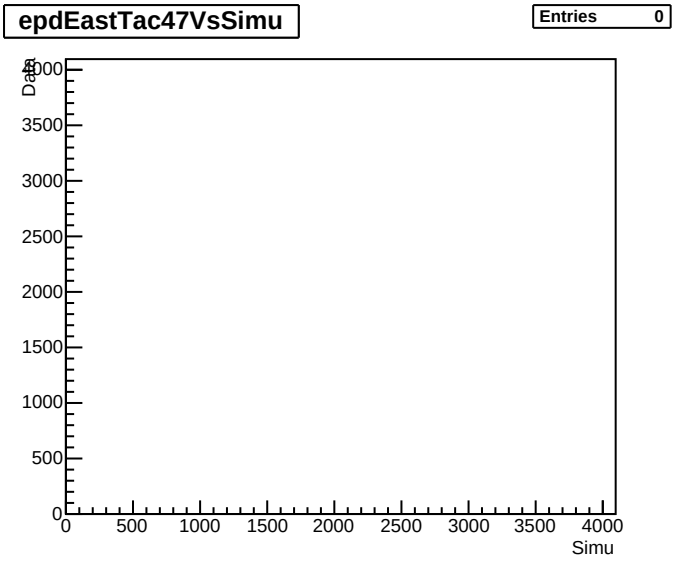

epdWestTHits
Entries 599232
Truncated NHits
DSMInput Channel

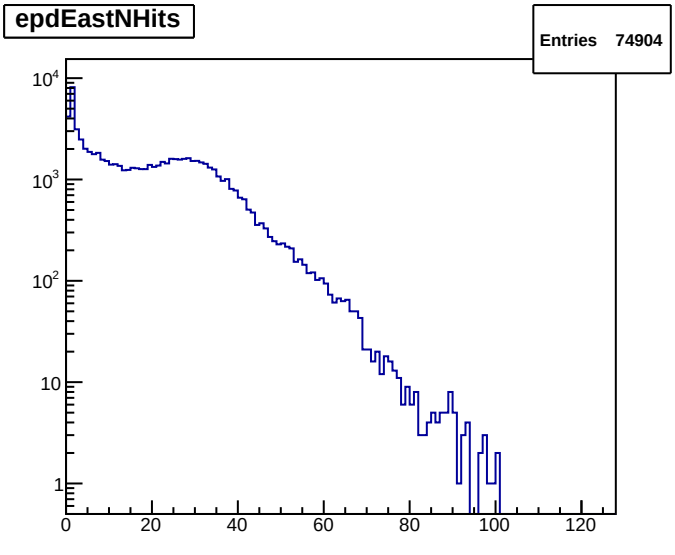

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

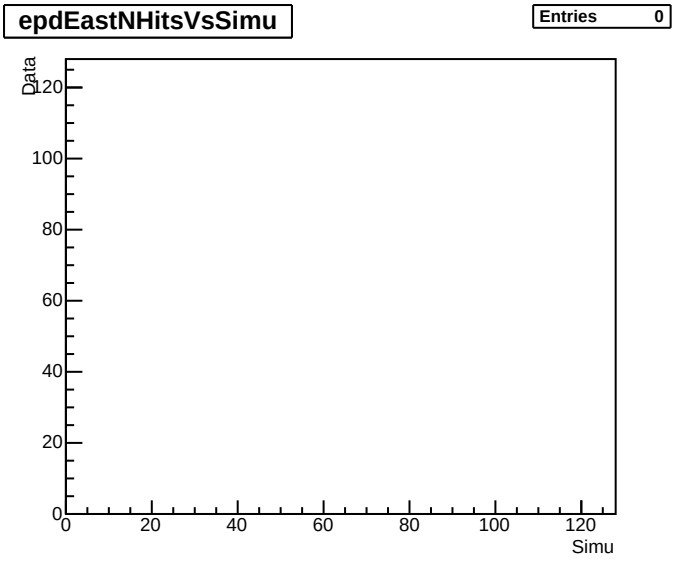

epdEastTac03
Entries 74904

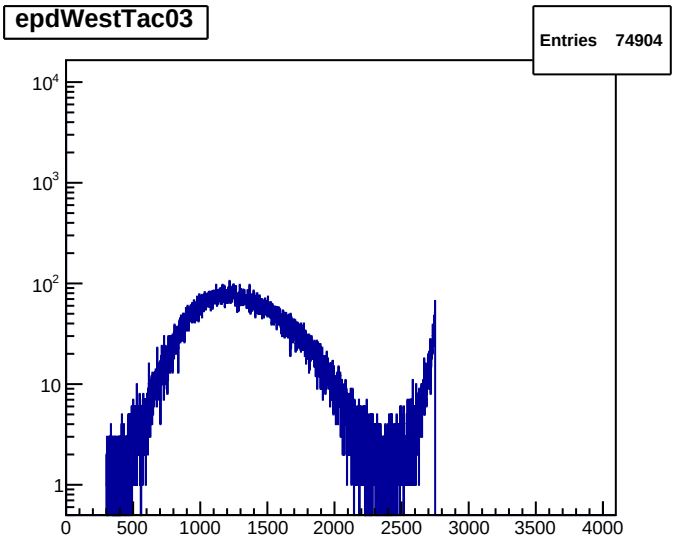

epdEastTac03VsSimu
Entries 0
Data
Simu

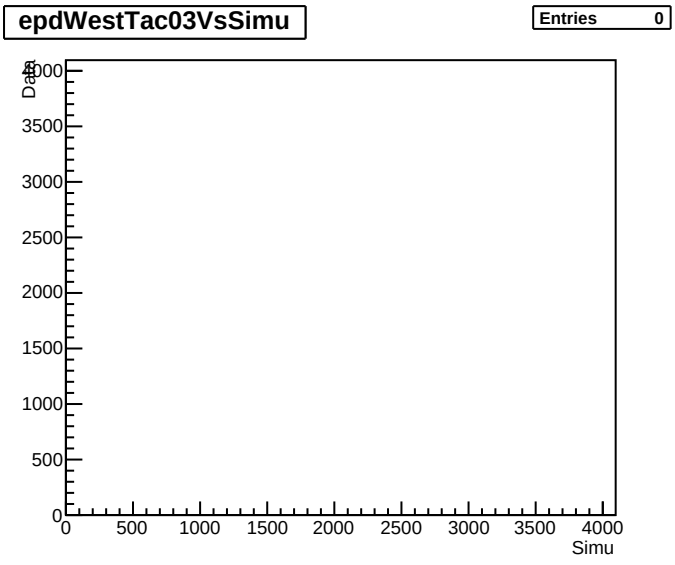

epdEastTac47
Entries 74904

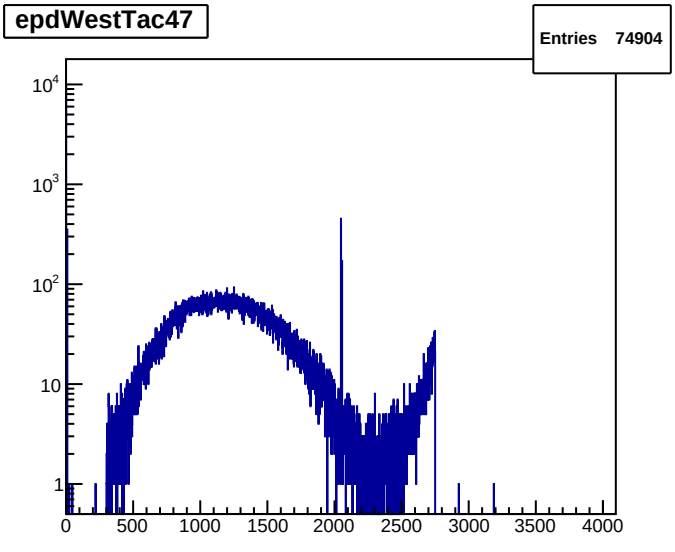

epdEastTac47VsSimu
Entries 0
Data
Simu

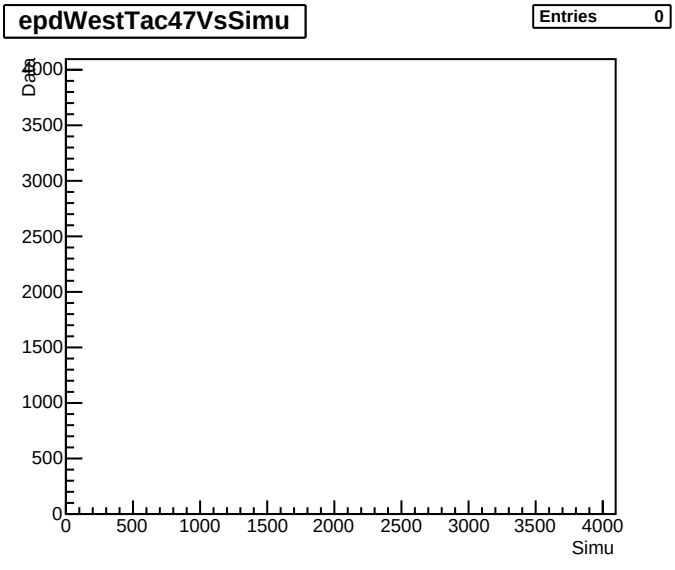

epdEastNHits
Entries 74904

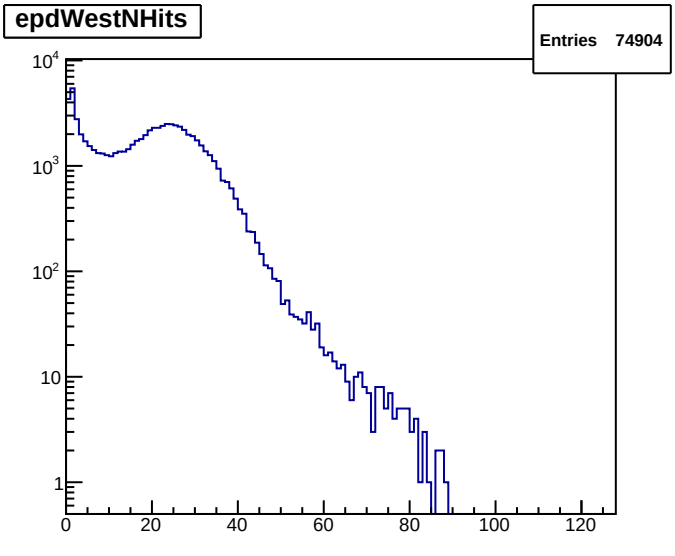

epdEastNHitsVsSimu
Entries 0
Data
Simu

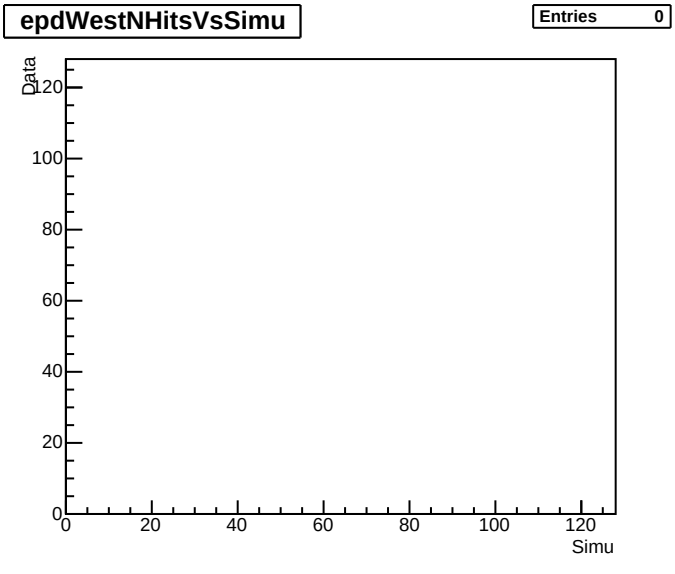

epdWestTac03
Entries 74904

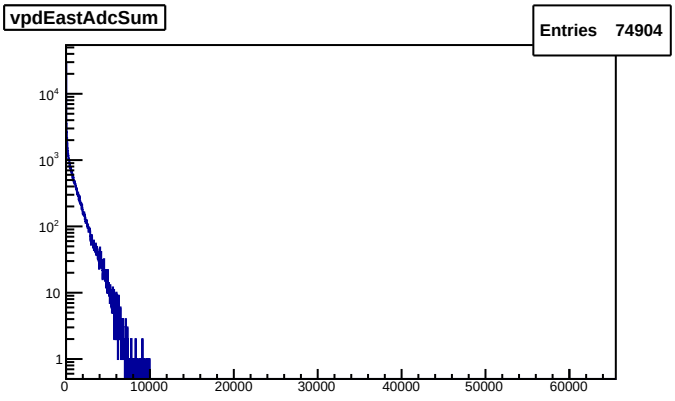

epdWestTac03VsSimu
Entries 0
Data
Simu

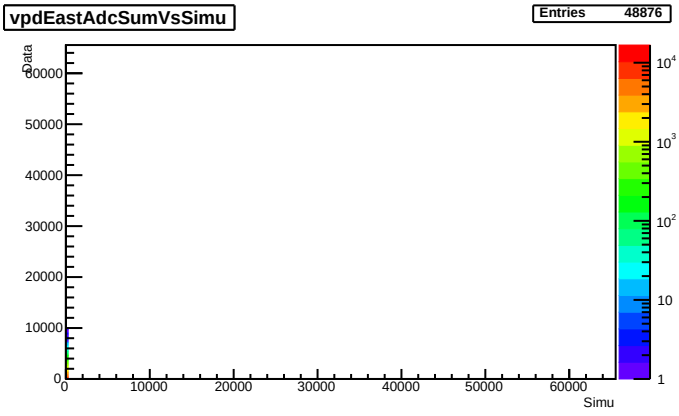

epdWestTac47
Entries 74904

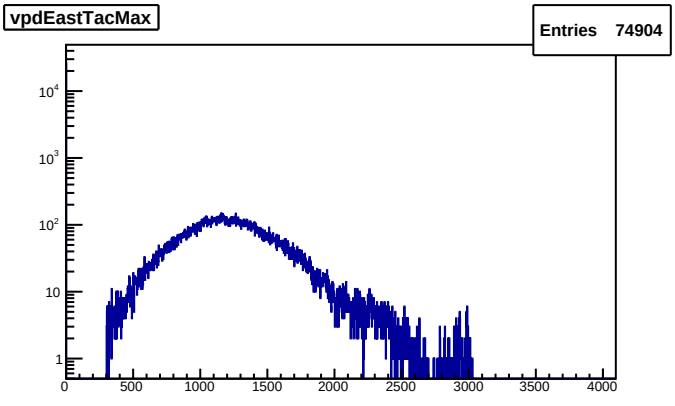

epdWestTac47VsSimu
Entries 0
Data
Simu

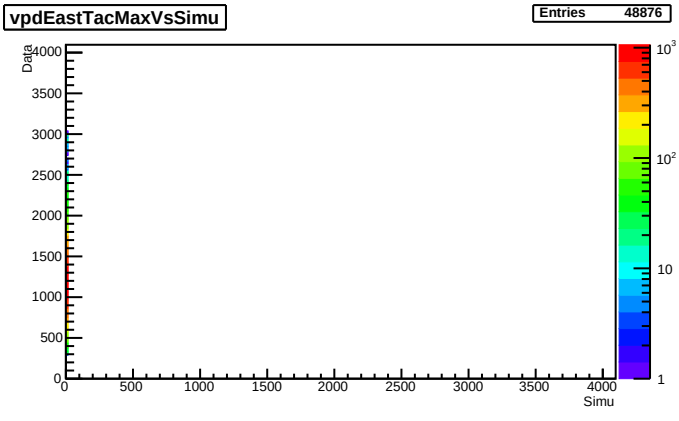

epdWestNHits
Entries 74904

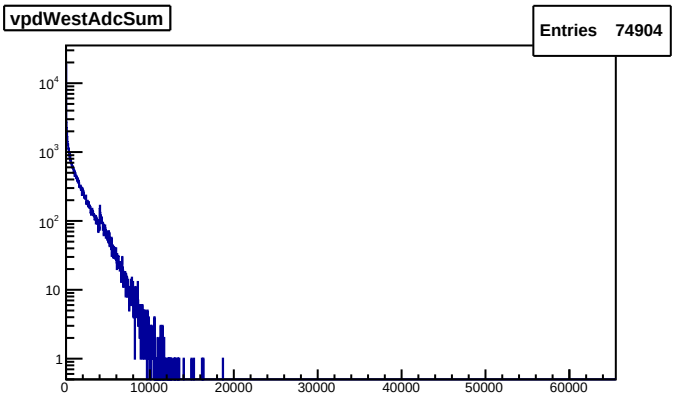

epdWestNHitsVsSimu
Entries 0
Data
Simu

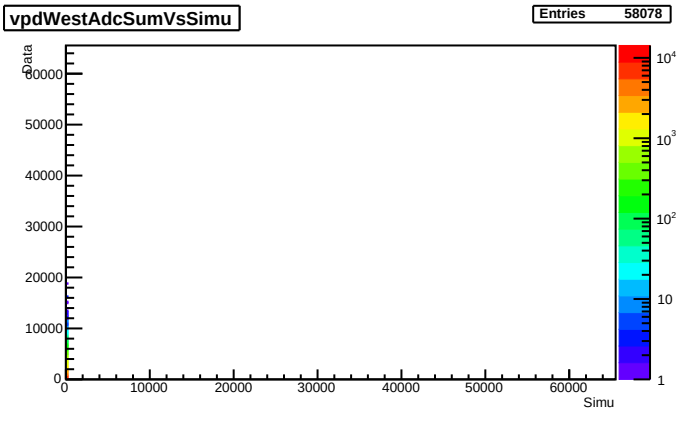

vpdEastAdcSum
Entries 74904

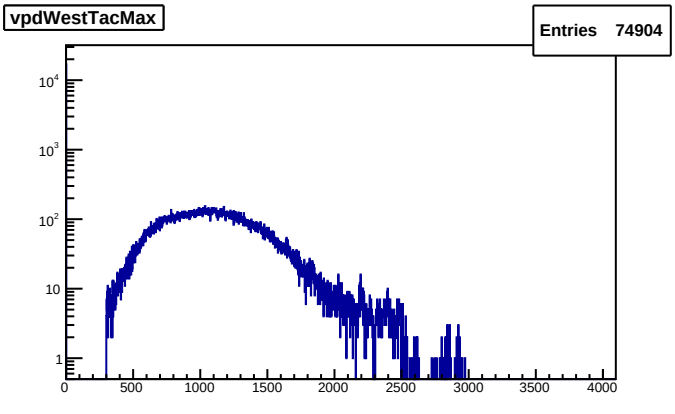

vpdEastAdcSumVsSimu
Entries 48876
Data
Simu

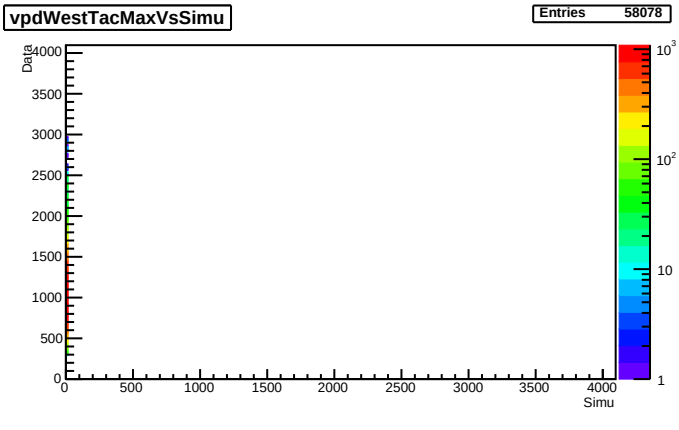

vpdEastTacMax
Entries 74904

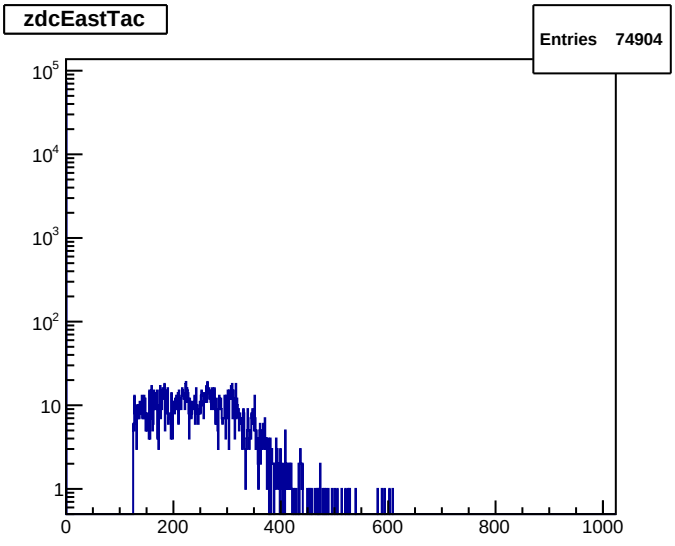

vpdEastTacMaxVsSimu
Entries 48876
Data
Simu

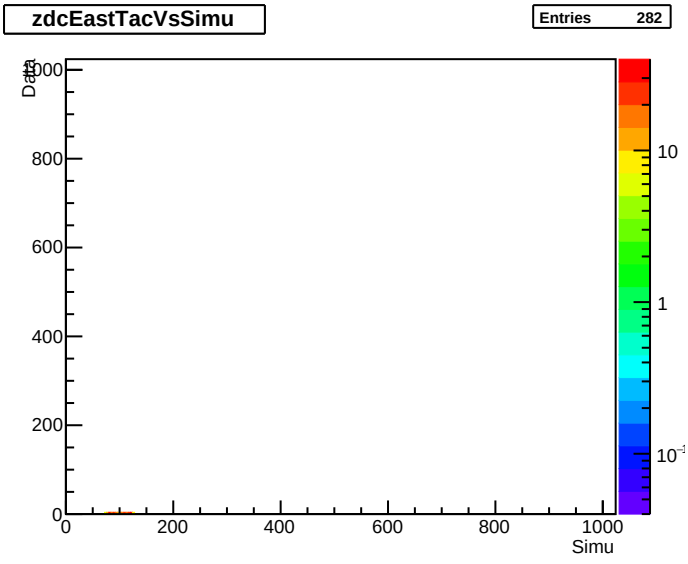

vpdWestAdcSum
Entries 74904

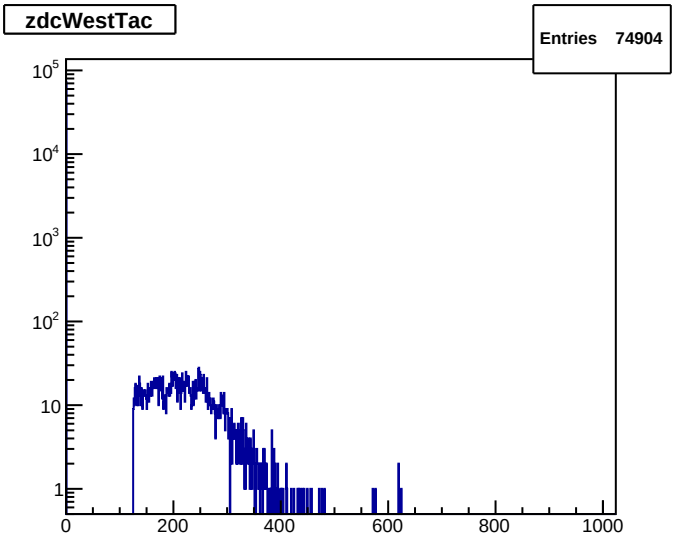

vpdWestAdcSumVsSimu
Entries 58078
Data
Simu

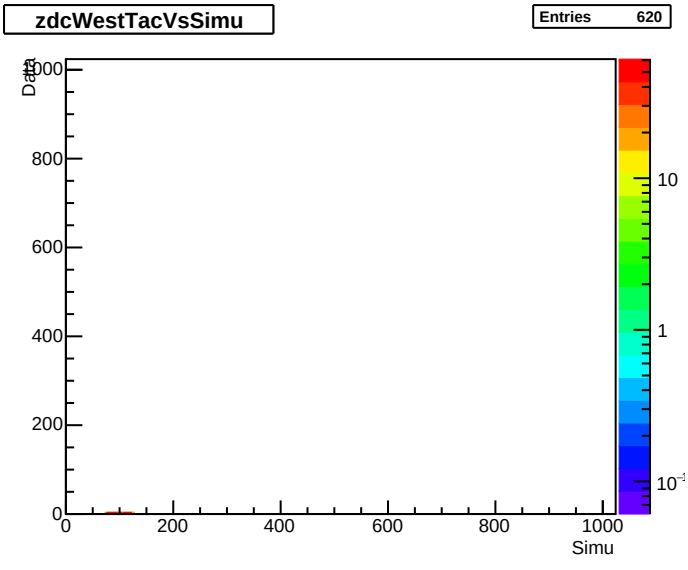

vpdWestTacMax
Entries 74904

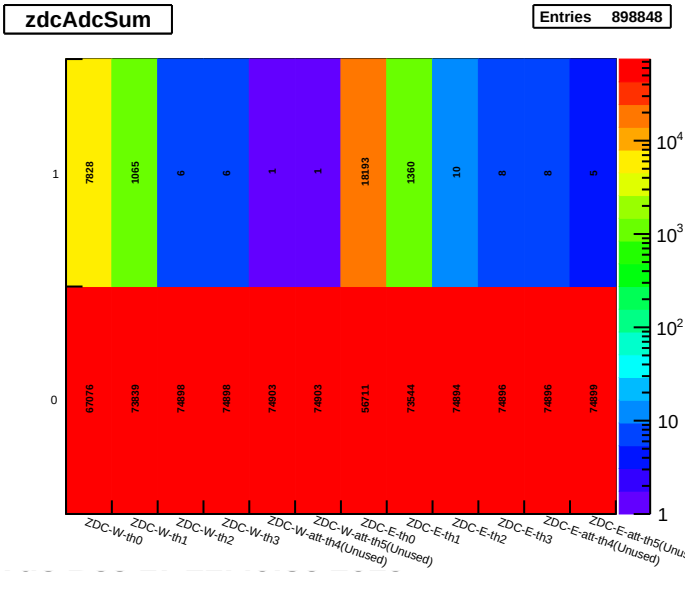

vpdWestTacMaxVsSimu
Entries 58078
Data
Simu

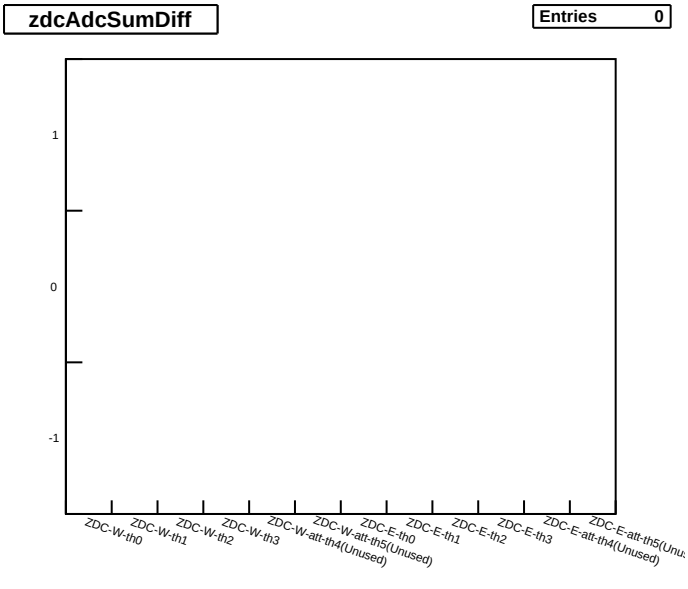

zdcEastTac
Entries 74904

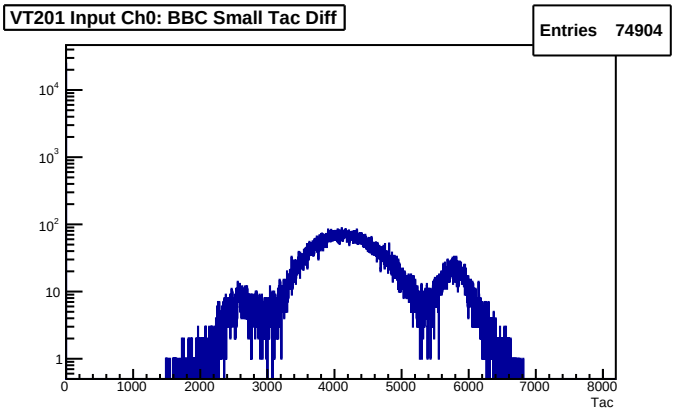

zdcEastTacVsSimu
Entries 282
Data
Simu

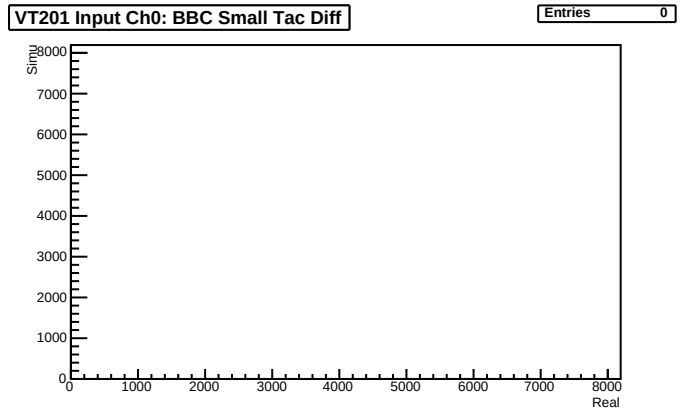

zdcWestTac
Entries 74904

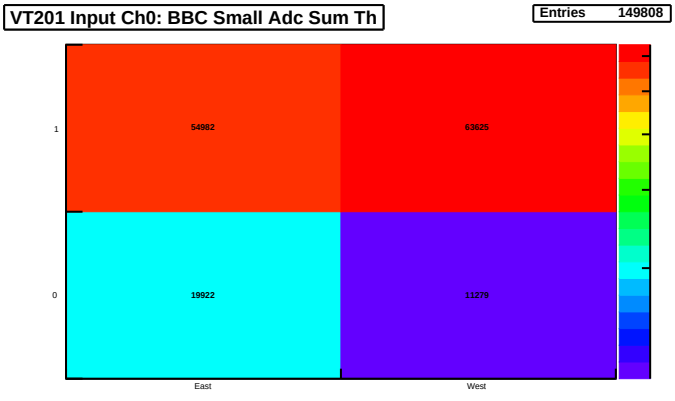

zdcWestTacVsSimu
Entries 620
Data
Simu

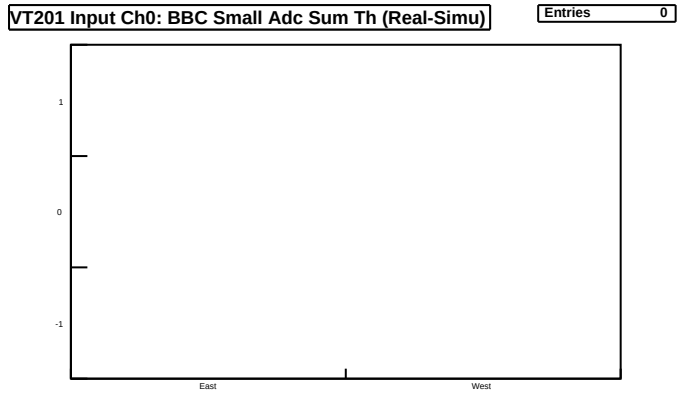

zdcAdcSum
Entries 898848
7828
1065
6
6
1
1
18193
1360
10
8
8
5
67076
73839
74898
74898
74903
74903
56711
73544
74894
74896
74896
74899
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

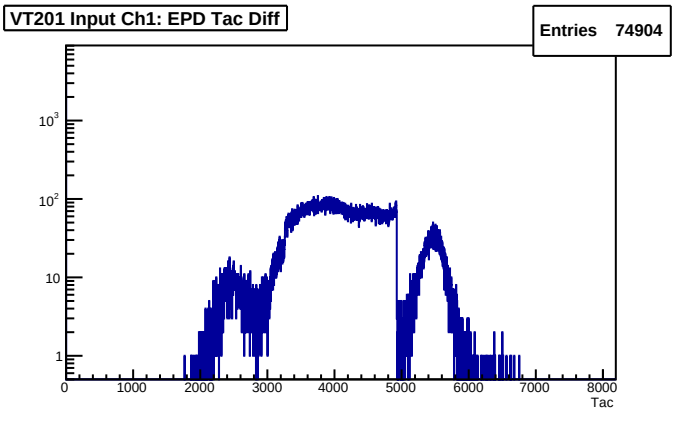

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

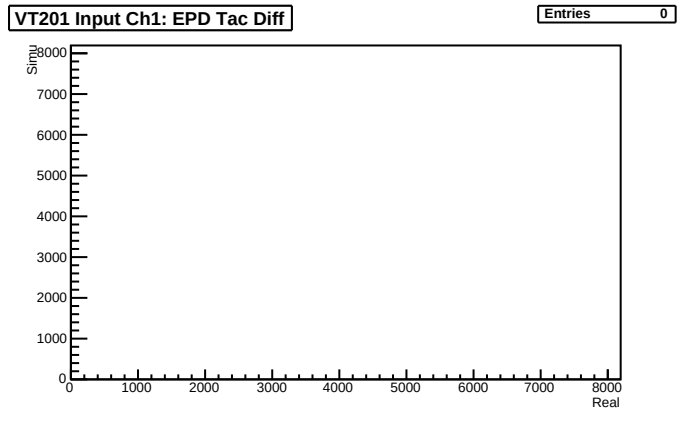

VT201 Input Ch0: BBC Small Tac Diff
Entries 74904
Tac

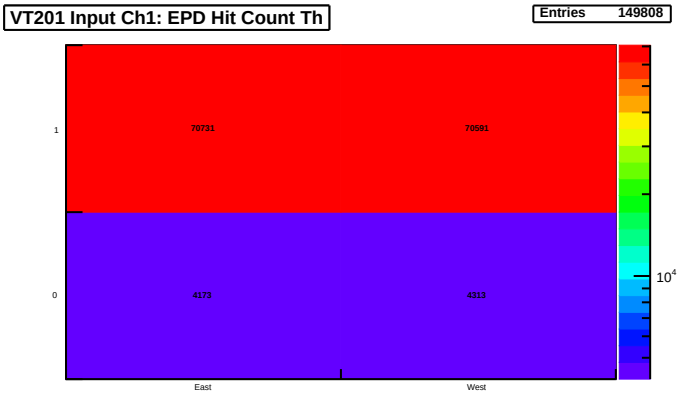

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

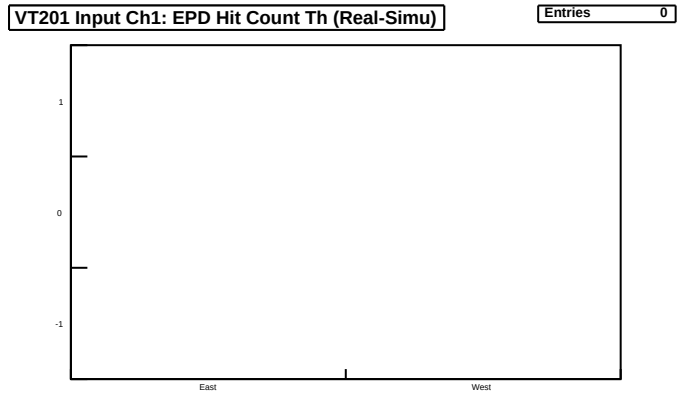

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 149808
54982
63625
19922
11279
East
West

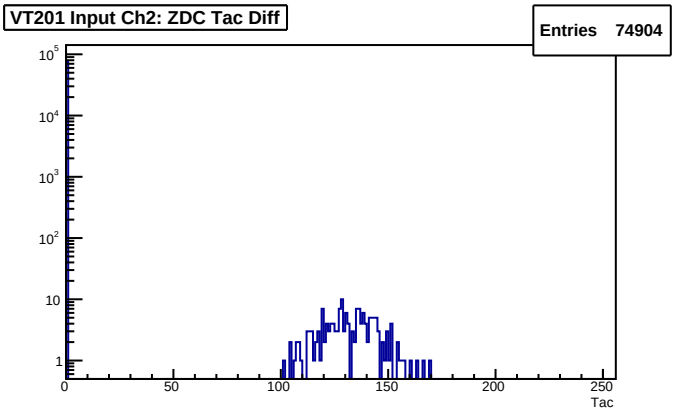

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

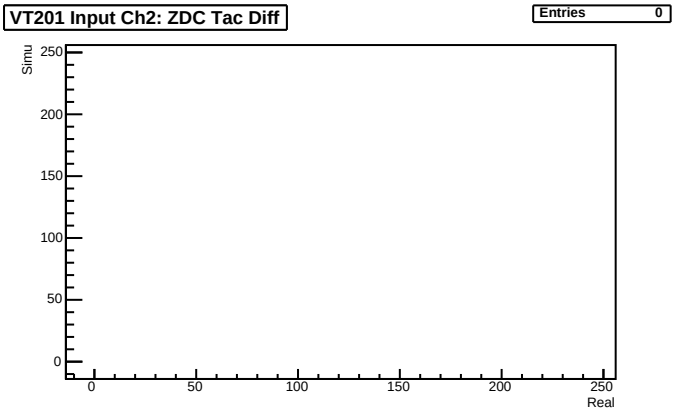

VT201 Input Ch1: EPD Tac Diff
Entries 74904
Tac

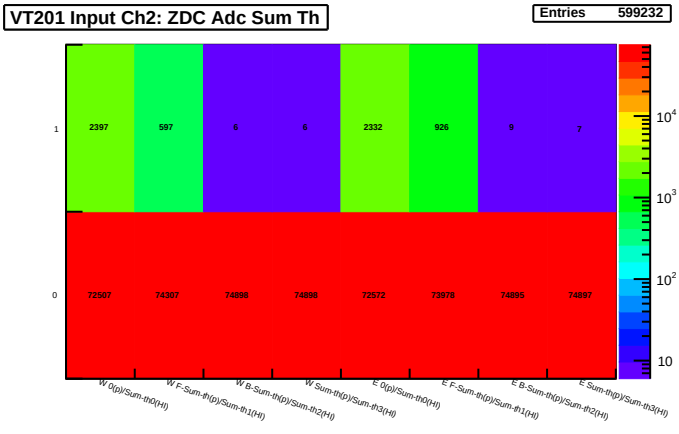

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

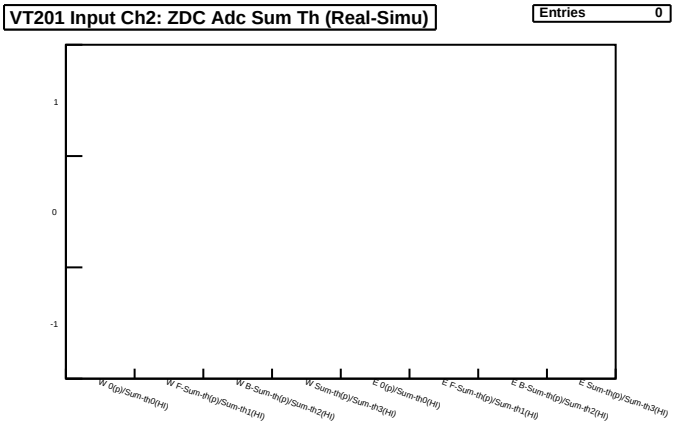

VT201 Input Ch1: EPD Hit Count Th
Entries 149808
70731
70591
4173
4313
East
West

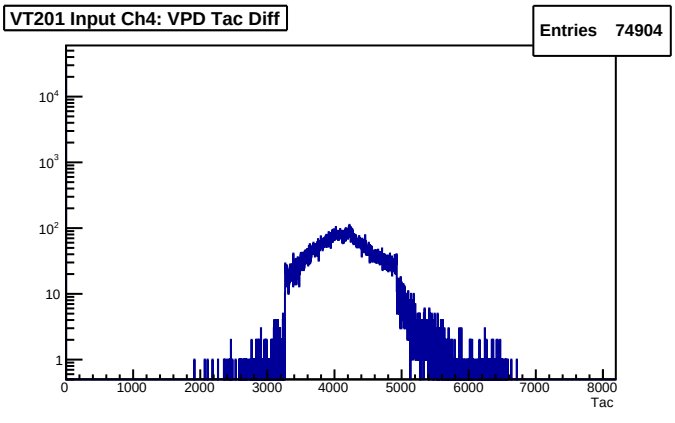

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

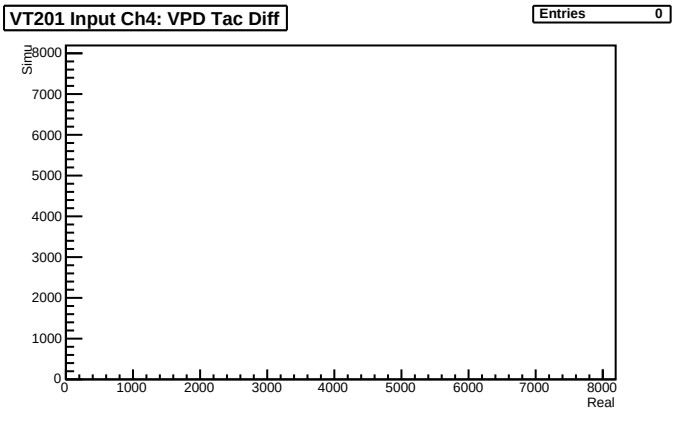

VT201 Input Ch2: ZDC Tac Diff
Entries 74904
Tac

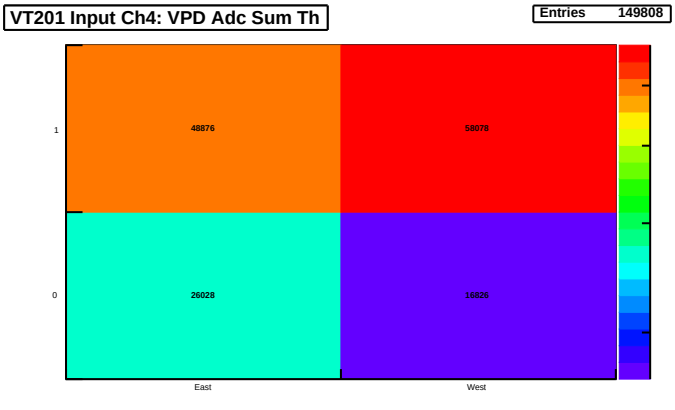

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

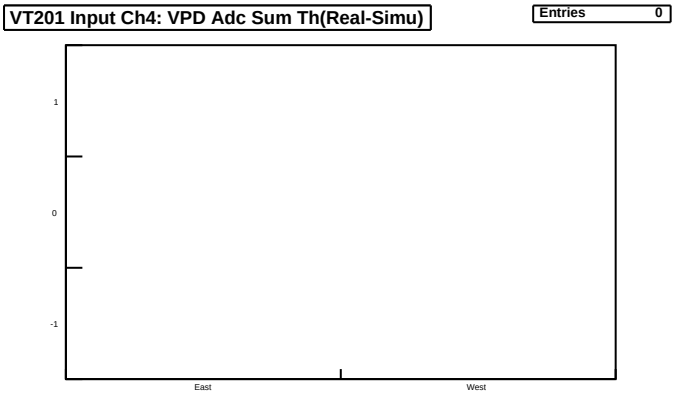

VT201 Input Ch2: ZDC Adc Sum Th
Entries 599232
2397
597
6
6
2332
926
9
7
72507
74307
74898
74898
72572
73978
74895
74897
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

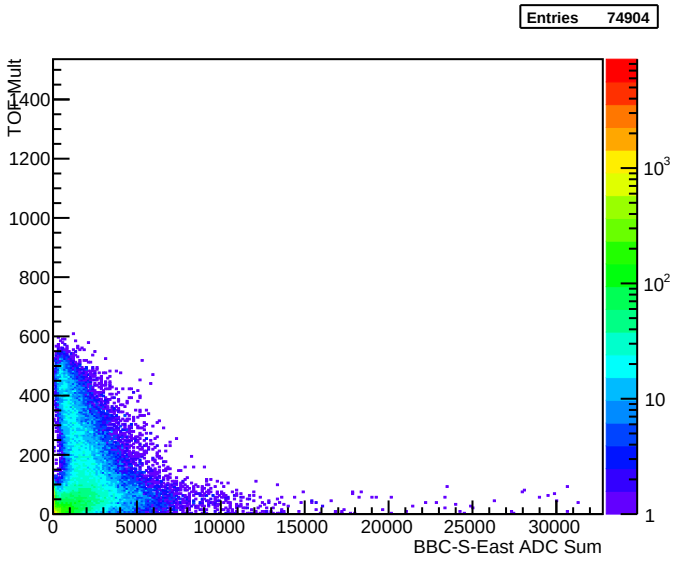

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

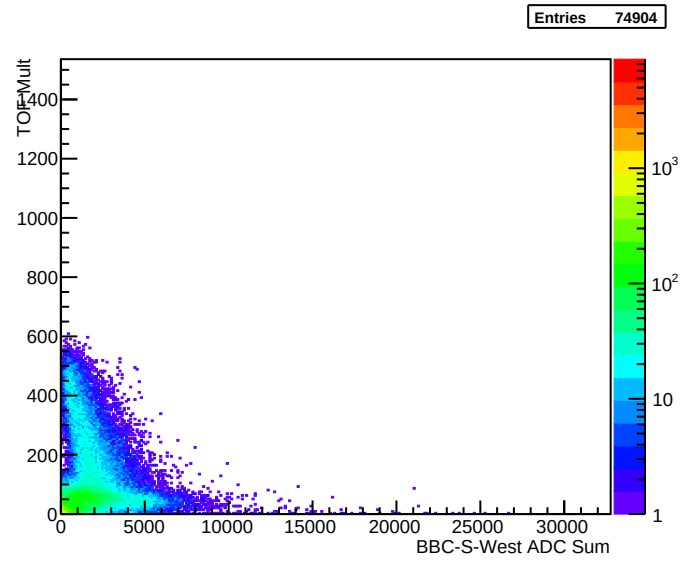

VT201 Input Ch4: VPD Tac Diff
Entries 74904
Tac

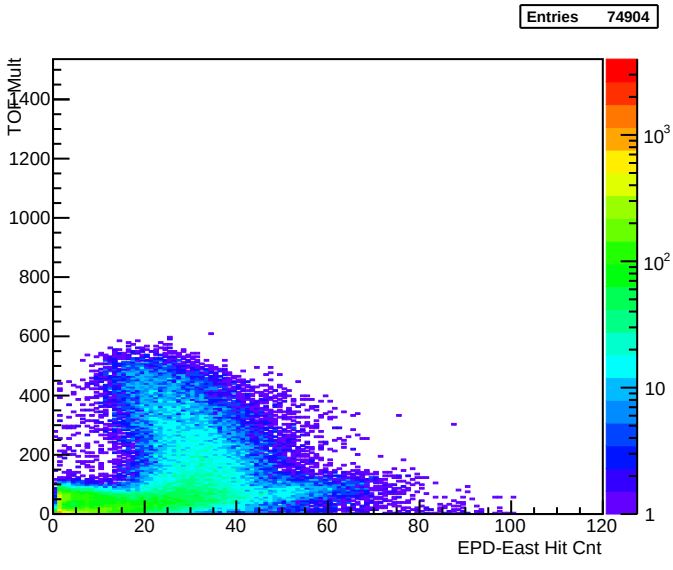

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

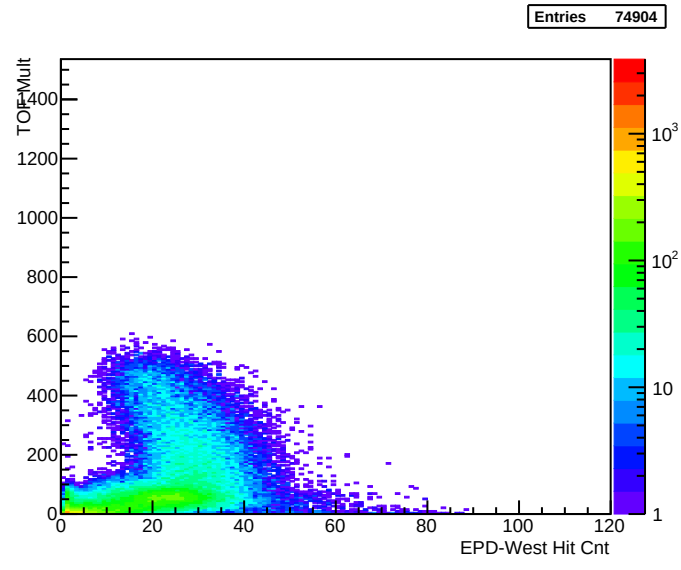

VT201 Input Ch4: VPD Adc Sum Th
Entries 149808
48876
58078
26028
16826
East
West

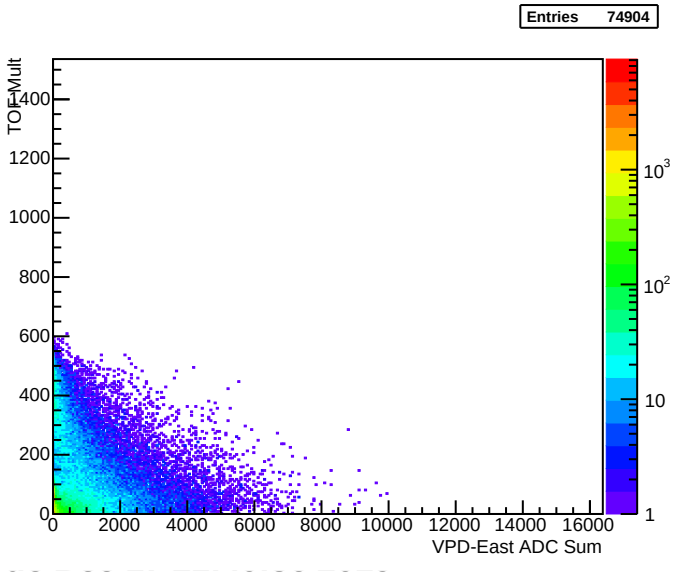

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

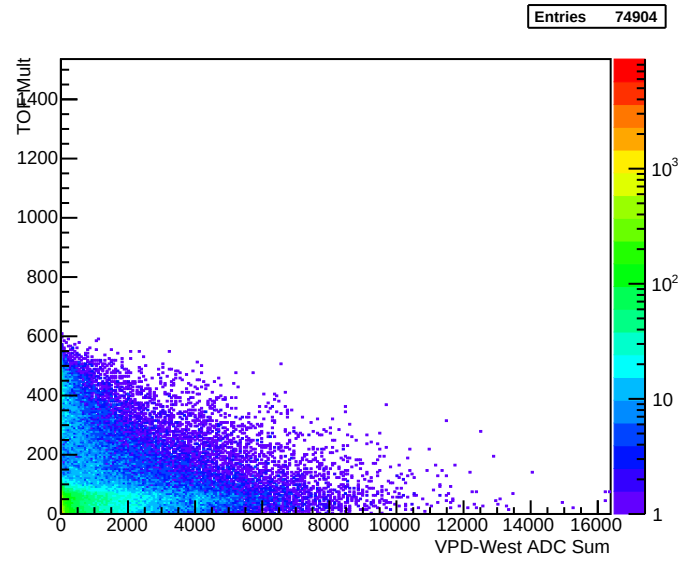

Entries 74904
TOF-Mult
BBC-S-East ADC Sum

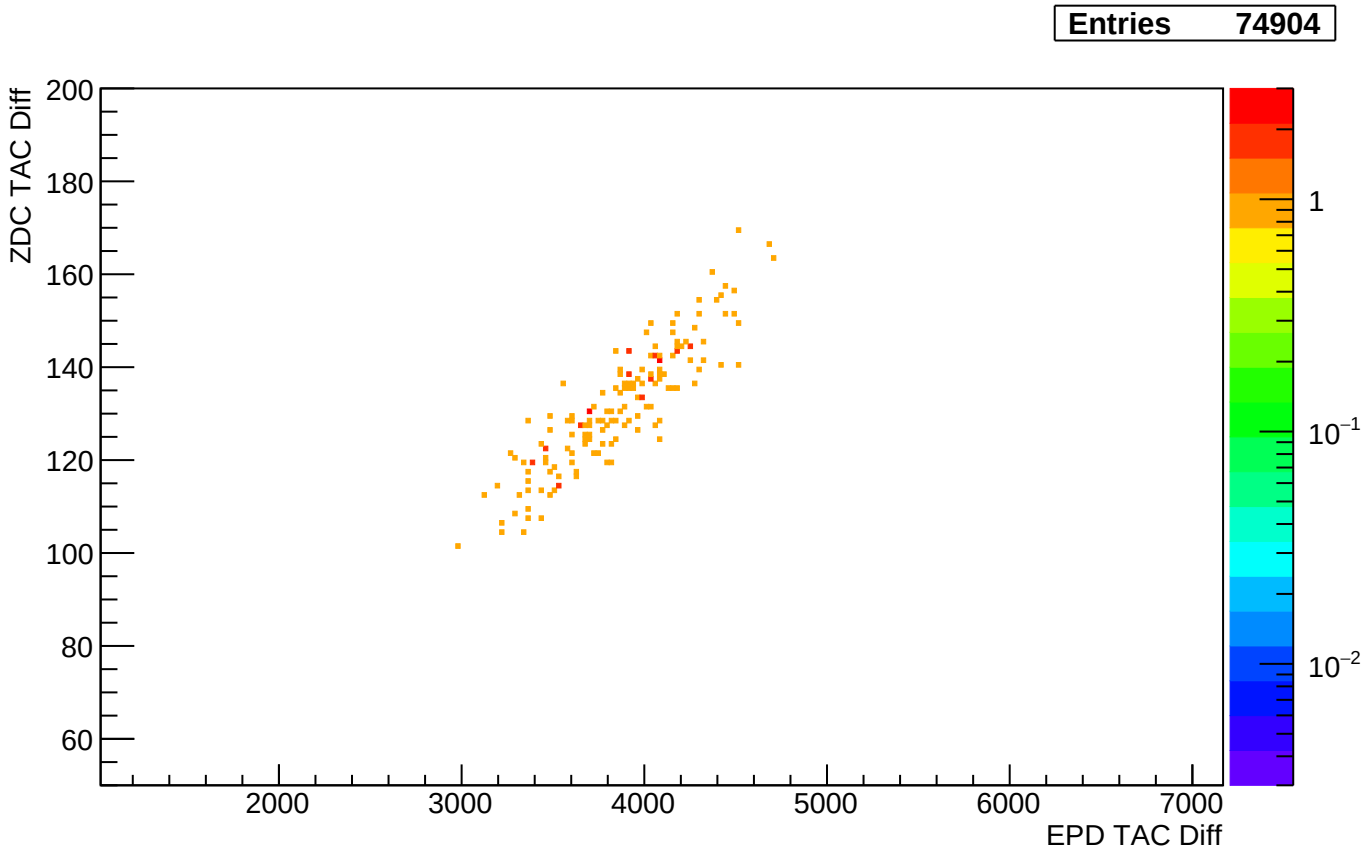

Entries 74904
TOF-Mult
BBC-S-West ADC Sum

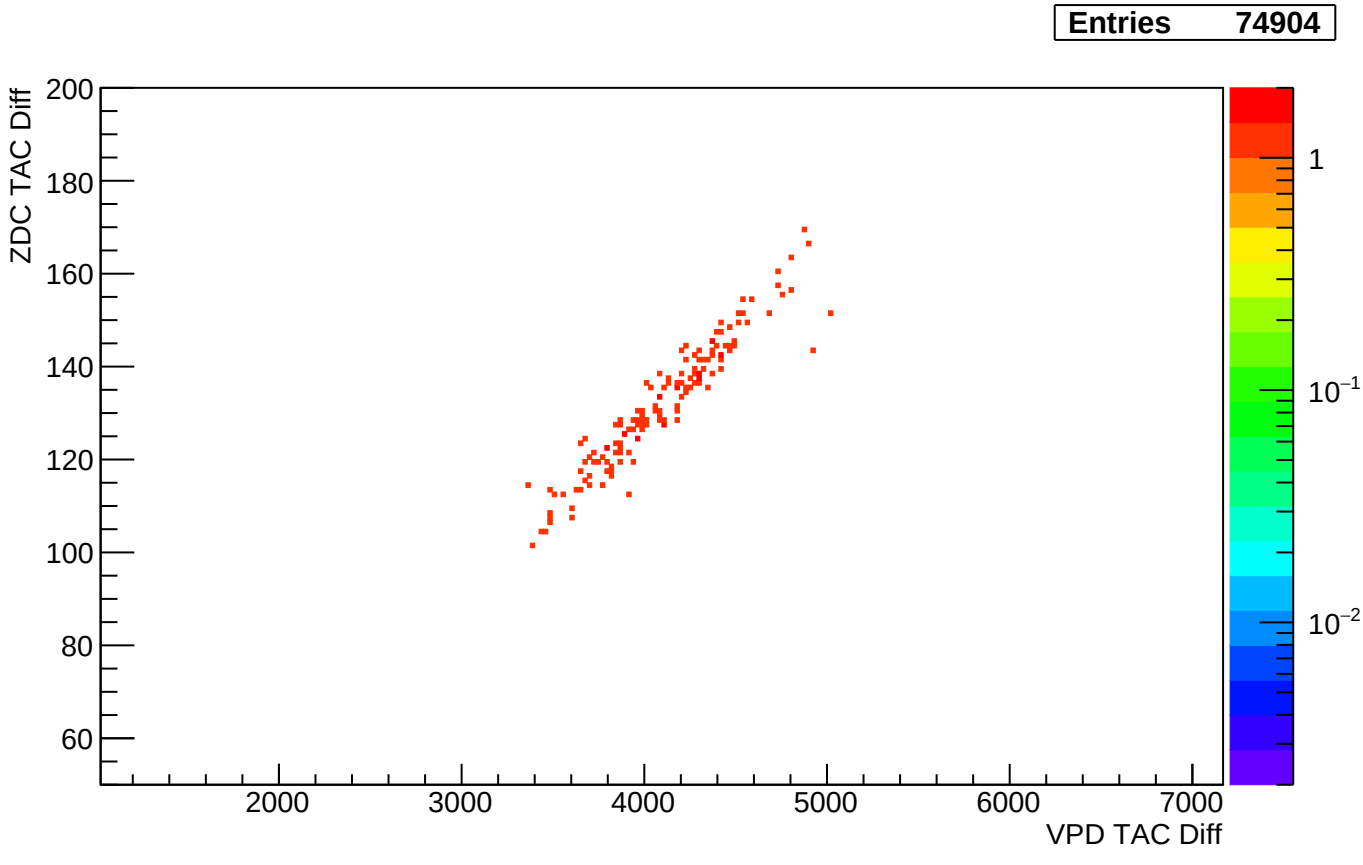

Entries 74904
TOF-Mult
EPD-East Hit Cnt

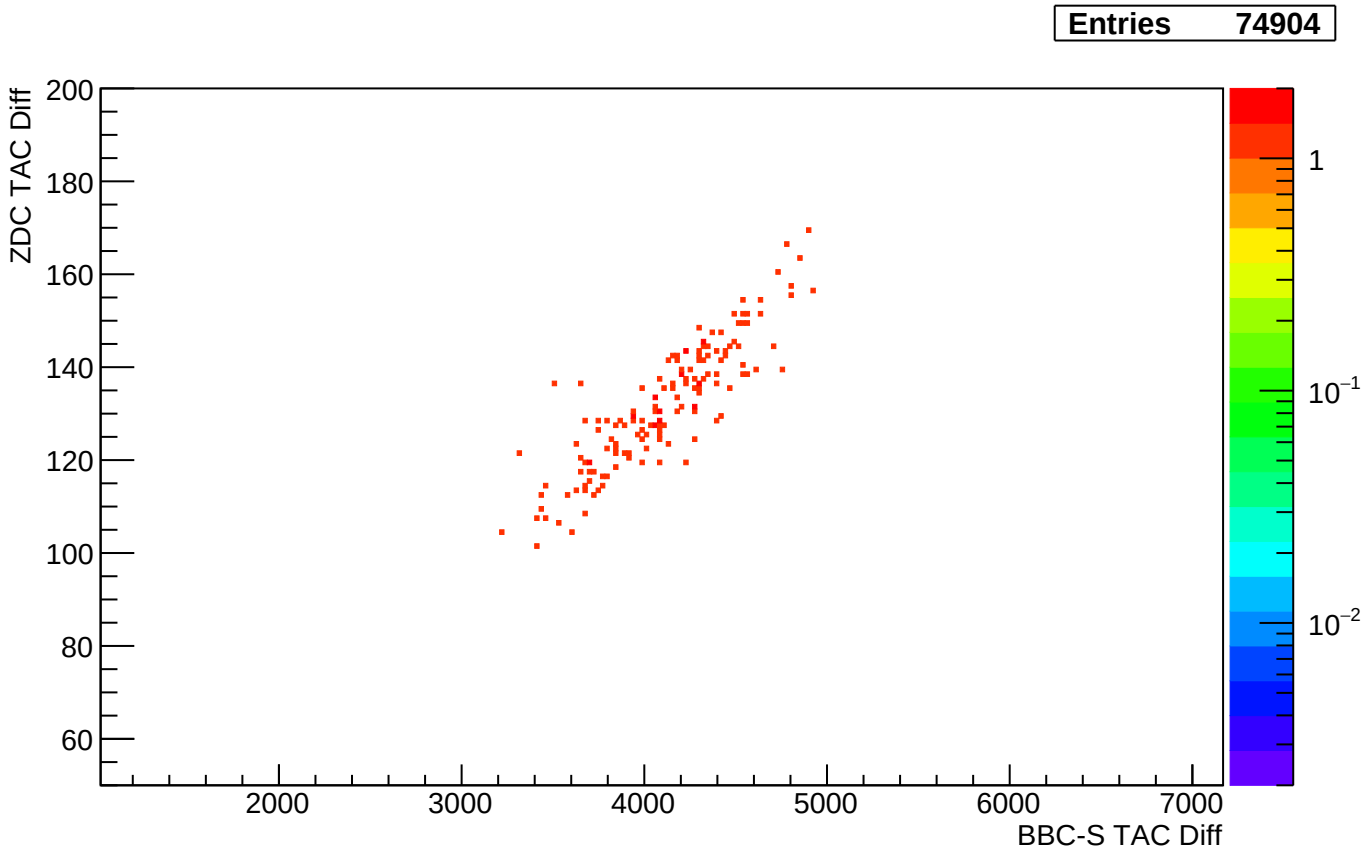

Entries 74904
TOF-Mult
EPD-West Hit Cnt

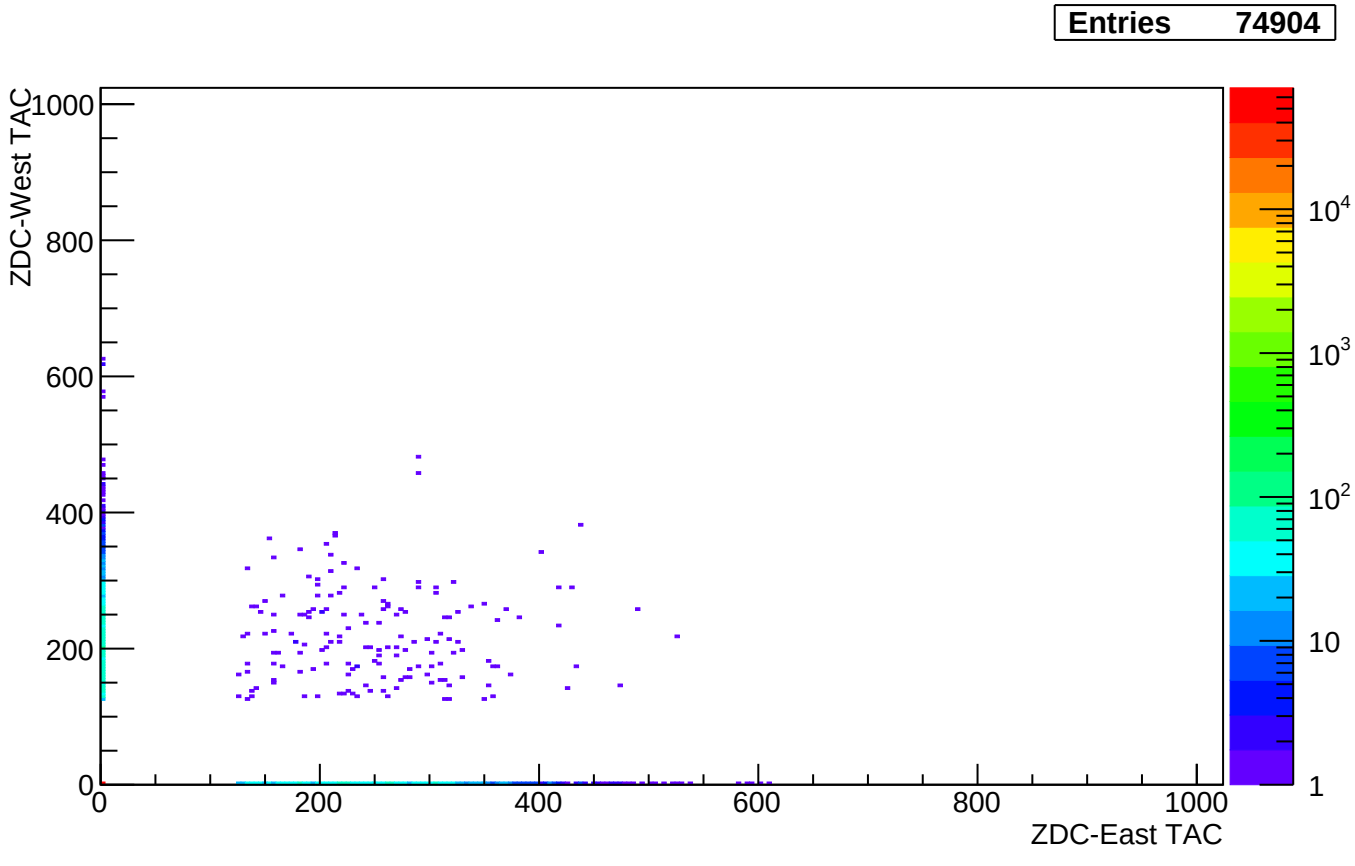

Entries 74904
TOF-Mult
VPD-East ADC Sum

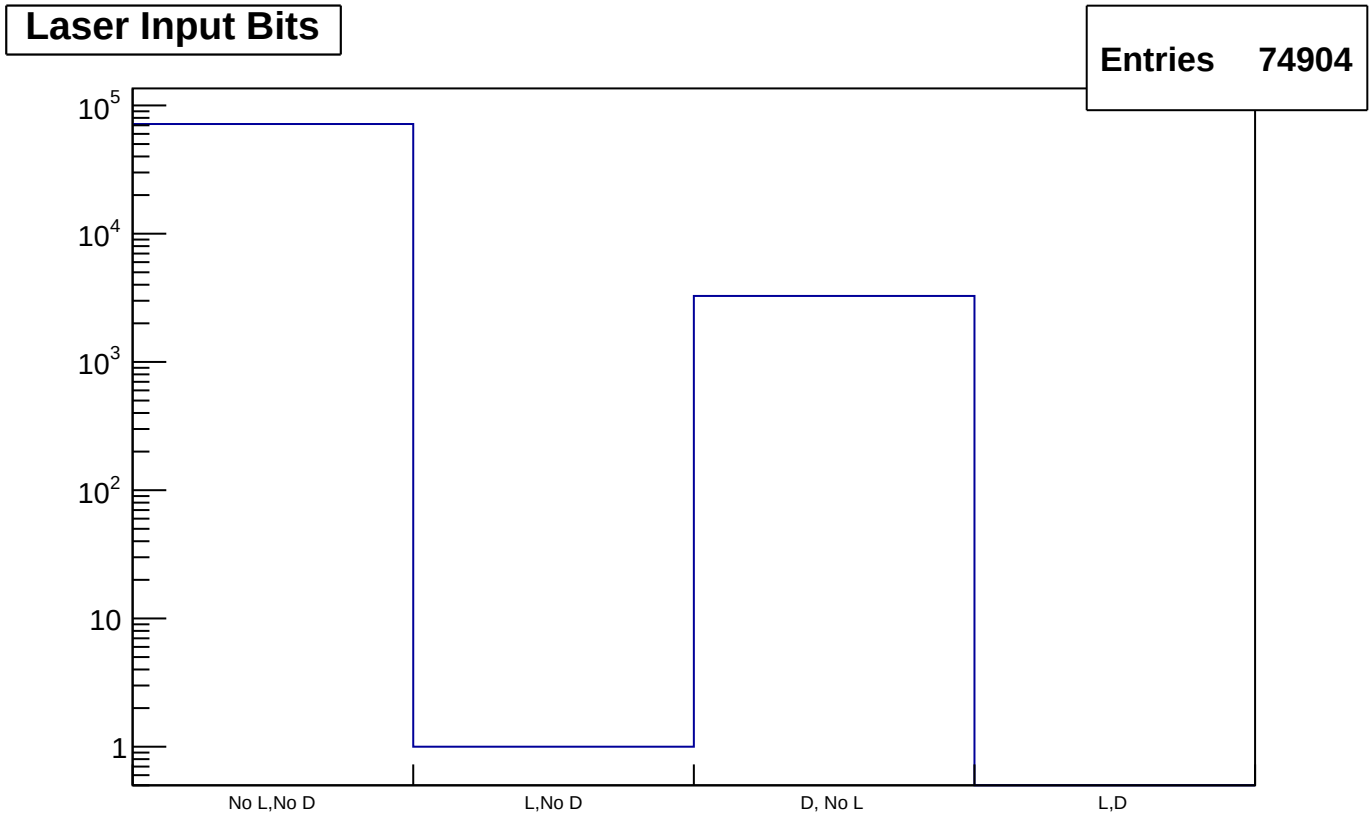

Entries 74904
TOF-Mult
VPD-West ADC Sum

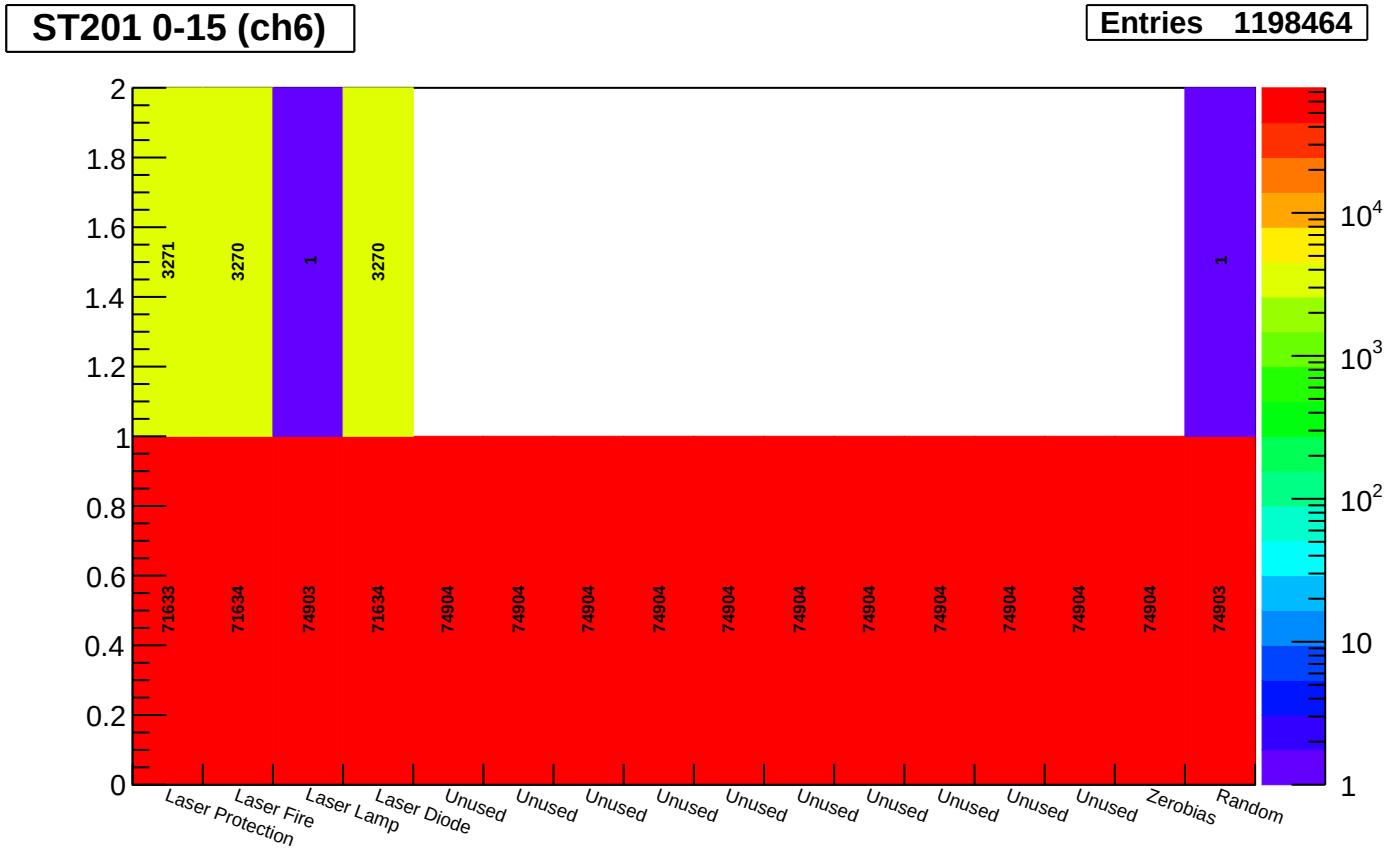

Entries 74904
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

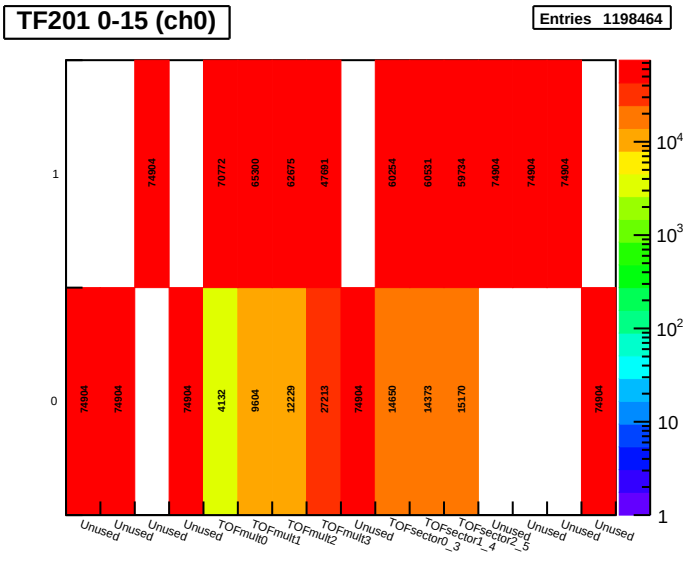

Entries 74904
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

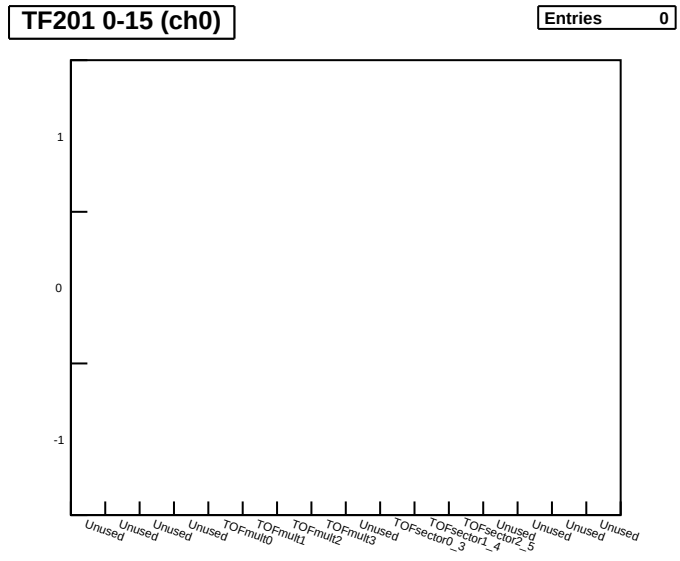

Entries 74904
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

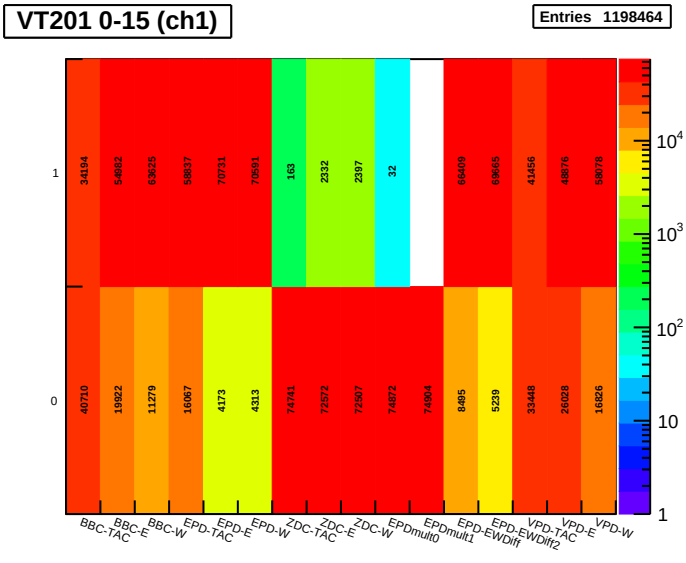

Entries 74904
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^4
10^3
10^2
10
1

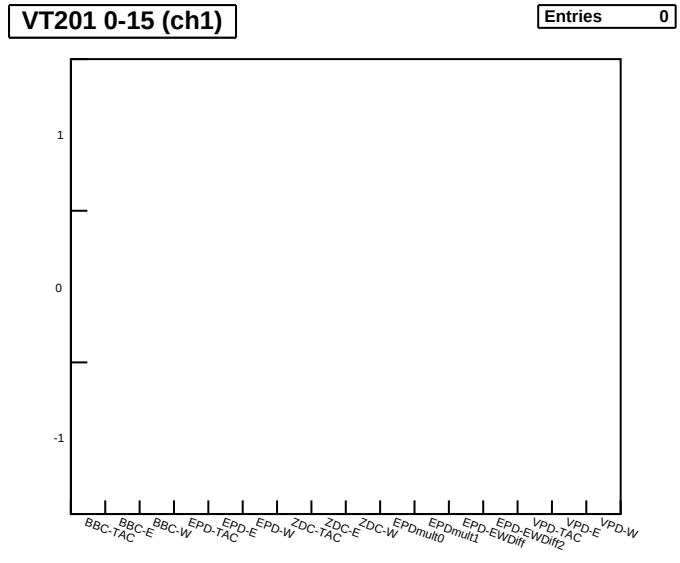

Laser Input Bits
Entries 74904
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

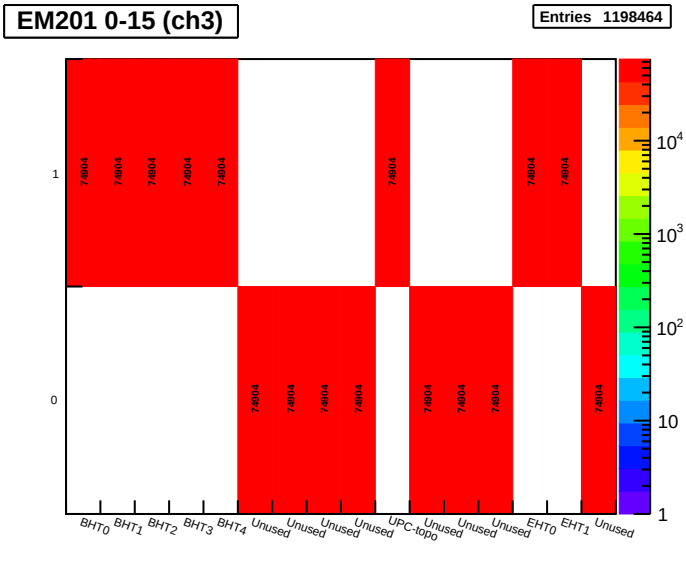

ST201 0-15 (ch6)
Entries 1198464
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3271
3270
1
3270
1
71633
71634
74903
71634
74904
74904
74904
74904
74904
74904
74904
74904
74904
74904
74904
74903
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^4
10^3
10^2
10
1

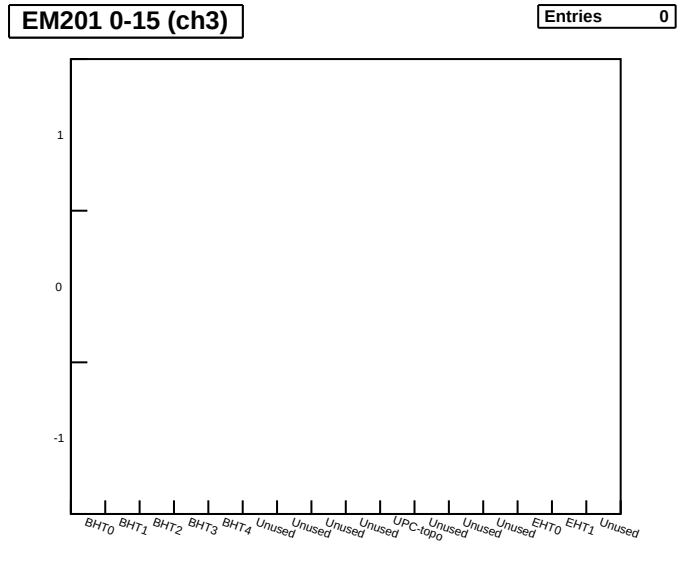

TF201 0-15 (ch0)
Entries 1198464
1
0
74904 70772 65300 62675 47691 60254 60531 59734 74904 74904 74904
74904 74904 74904 4132 9604 12229 27213 74904 14650 14373 15170 74904
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^4
10^3
10^2
10
1


TF201 0-15 (ch0)
Entries 0
1
0
-1
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused


VT201 0-15 (ch1)
Entries 1198464
1
0
34194 54982 63625 58837 70731 70691 163 2332 2397 32 65409 69665 41456 48876 58078
40710 19922 11279 16067 4173 4313 74741 72572 72507 74872 74904 8495 5239 33448 26028 16826
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W
10^4
10^3
10^2
10
1


VT201 0-15 (ch1)
Entries 0
1
0
-1
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W


EM201 0-15 (ch3)
Entries 1198464
1
0
74904 74904 74904 74904 74904 74904 74904 74904 74904
74904 74904 74904 74904 74904 74904 74904 74904
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
10^4
10^3
10^2
10
1


EM201 0-15 (ch3)
Entries 0
1
0
-1
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused